

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-18 04:34:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-08-18 04:34:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-08-18 04:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-18 04:34:00 | Fuel Flow                              | 1193 | 1197 |                                            |
| 2021-08-18 04:34:00 | Ground Speed                           |      |      | 435                                        |
| 2021-08-18 04:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-18 04:34:00 | Leg                                    |      |      | 1                                          |
| 2021-08-18 04:34:00 | Mach Number                            |      |      | 0.697                                      |
| 2021-08-18 04:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-18 04:34:00 | N1 Indicated Fan Speed                 | 84.3 | 84.3 |                                            |
| 2021-08-18 04:34:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-18 04:34:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-08-18 04:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-18 04:34:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-18 04:34:00 | Temperature Static Air                 |      |      | -25.8                                      |
| 2021-08-18 04:34:00 | Throttle Lever Angle                   | 59.9 | 59.9 |                                            |
| 2021-08-18 04:34:00 | Time GE Received                       |      |      | 05:43:10                                   |
| 2021-08-18 04:34:00 | Time Of Report                         |      |      | 04:34:00                                   |
| 2021-08-18 04:34:00 | Total Air Temperature Aircraft         |      |      | -1.8                                       |
| 2021-08-18 04:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-18 04:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-18 04:34:00 | Vibration N1 #1 Bearing                | 0.14 | 0.05 |                                            |
| 2021-08-18 04:34:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 61   |                                            |
| 2021-08-18 04:34:00 | Vibration N1 Phase Angle Turbine Frame | 90   | 62   |                                            |
| 2021-08-18 04:34:00 | Vibration N1 Turbine Frame             | 0.41 | 0.2  |                                            |
| 2021-08-18 04:34:00 | Vibration N2 #1 Bearing                | 0.06 | 0.1  |                                            |
| 2021-08-18 04:34:00 | Vibration N2 Turbine Frame             | 0.08 | 0.09 |                                            |
| 2021-08-18 00:55:00 | (1)                                    |      | 58.2 | 21                                         |
| 2021-08-18 00:55:00 | (1)                                    |      |      | 152                                        |
| 2021-08-18 00:55:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-18 00:55:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-18 00:55:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-18 00:55:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-18 00:55:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-18 00:55:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-18 00:55:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-18 00:55:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-18 00:55:00 | Air Speed Indicated                    |      |      | 278.8                                      |
| 2021-08-18 00:55:00 | Aircraft Gross Weight                  |      |      | 63684                                      |
| 2021-08-18 00:55:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-18 00:55:00 | Altitude                               |      |      | 23599                                      |
| 2021-08-18 00:55:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-18 00:55:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-18 00:55:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-18 00:55:00 | Core Speed                             | 92.3 | 92.3 |                                            |
| 2021-08-18 00:55:00 | Date GE Received                       |      |      | 08/18/2021                                 |
| 2021-08-18 00:55:00 | Date of Report                         |      |      | 08/18/2021                                 |
| 2021-08-18 00:55:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-18 00:55:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-08-18 00:55:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-08-18 00:55:00 | EGT Exhaust Gas Temperature            | 612  | 612  |                                            |
| 2021-08-18 00:55:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-18 00:55:00 | Flight Counter                         |      |      | 1991                                       |
| 2021-08-18 00:55:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-08-18 00:55:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-08-18 00:55:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-18 00:55:00 | Fuel Flow                              | 1263 | 1256 |                                            |
| 2021-08-18 00:55:00 | Ground Speed                           |      |      | 378.1                                      |
| 2021-08-18 00:55:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-18 00:55:00 | Leg                                    |      |      | 1                                          |
| 2021-08-18 00:55:00 | Mach Number                            |      |      | 0.651                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-18 00:55:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-18 00:55:00 | N1 Indicated Fan Speed                 | 80.7 | 80.7 |                                            |
| 2021-08-18 00:55:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-08-18 00:55:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-08-18 00:55:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-18 00:55:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-18 00:55:00 | Temperature Static Air                 |      |      | -17                                        |
| 2021-08-18 00:55:00 | Throttle Lever Angle                   | 58.2 | 58.2 |                                            |
| 2021-08-18 00:55:00 | Time GE Received                       |      |      | 02:20:07                                   |
| 2021-08-18 00:55:00 | Time Of Report                         |      |      | 00:55:00                                   |
| 2021-08-18 00:55:00 | Total Air Temperature Aircraft         |      |      | 4.8                                        |
| 2021-08-18 00:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-18 00:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-18 00:55:00 | Vibration N1 #1 Bearing                | 0.11 | 0.06 |                                            |
| 2021-08-18 00:55:00 | Vibration N1 Phase Angle #1 Bearing    | 109  | 33   |                                            |
| 2021-08-18 00:55:00 | Vibration N1 Phase Angle Turbine Frame | 105  | 50   |                                            |
| 2021-08-18 00:55:00 | Vibration N1 Turbine Frame             | 0.3  | 0.19 |                                            |
| 2021-08-18 00:55:00 | Vibration N2 #1 Bearing                | 0.02 | 0.04 |                                            |
| 2021-08-18 00:55:00 | Vibration N2 Turbine Frame             | 0.03 | 0.07 |                                            |
| 2021-08-17 11:39:00 | (1)                                    |      | 57.4 | 21                                         |
| 2021-08-17 11:39:00 | (1)                                    |      |      | 394                                        |
| 2021-08-17 11:39:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-17 11:39:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-17 11:39:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-17 11:39:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-17 11:39:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-17 11:39:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-17 11:39:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-17 11:39:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-17 11:39:00 | Air Speed Indicated                    |      |      | 265.8                                      |
| 2021-08-17 11:39:00 | Aircraft Gross Weight                  |      |      | 56753                                      |
| 2021-08-17 11:39:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-17 11:39:00 | Altitude                               |      |      | 22602                                      |
| 2021-08-17 11:39:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-17 11:39:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-17 11:39:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-17 11:39:00 | Core Speed                             | 92.2 | 92.2 |                                            |
| 2021-08-17 11:39:00 | Date GE Received                       |      |      | 08/17/2021                                 |
| 2021-08-17 11:39:00 | Date of Report                         |      |      | 08/17/2021                                 |
| 2021-08-17 11:39:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-08-17 11:39:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-17 11:39:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-17 11:39:00 | EGT Exhaust Gas Temperature            | 606  | 605  |                                            |
| 2021-08-17 11:39:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-17 11:39:00 | Flight Counter                         |      |      | 3191                                       |
| 2021-08-17 11:39:00 | Flight Number ACARS                    |      |      | 5394                                       |
| 2021-08-17 11:39:00 | Flight Number ACMS                     |      |      | 5394                                       |
| 2021-08-17 11:39:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-17 11:39:00 | Fuel Flow                              | 1188 | 1178 |                                            |
| 2021-08-17 11:39:00 | Ground Speed                           |      |      | 414.4                                      |
| 2021-08-17 11:39:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-17 11:39:00 | Leg                                    |      |      | 1                                          |
| 2021-08-17 11:39:00 | Mach Number                            |      |      | 0.61                                       |
| 2021-08-17 11:39:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-17 11:39:00 | N1 Indicated Fan Speed                 | 78.9 | 78.9 |                                            |
| 2021-08-17 11:39:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-08-17 11:39:00 | Oil Temperature                        | 115  | 115  |                                            |
| 2021-08-17 11:39:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-17 11:39:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-17 11:39:00 | Temperature Static Air                 |      |      | -10.2                                      |
| 2021-08-17 11:39:00 | Throttle Lever Angle                   | 57.4 | 57.4 |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-17 11:39:00 | Time GE Received                       |      |      | 12:23:09                                   |
| 2021-08-17 11:39:00 | Time Of Report                         |      |      | 11:39:00                                   |
| 2021-08-17 11:39:00 | Total Air Temperature Aircraft         |      |      | 9.5                                        |
| 2021-08-17 11:39:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 11:39:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 11:39:00 | Vibration N1 #1 Bearing                | 0.15 | 0.08 |                                            |
| 2021-08-17 11:39:00 | Vibration N1 Phase Angle #1 Bearing    | 120  | 44   |                                            |
| 2021-08-17 11:39:00 | Vibration N1 Phase Angle Turbine Frame | 69   | 43   |                                            |
| 2021-08-17 11:39:00 | Vibration N1 Turbine Frame             | 0.41 | 0.17 |                                            |
| 2021-08-17 11:39:00 | Vibration N2 #1 Bearing                | 0.04 | 0.07 |                                            |
| 2021-08-17 11:39:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-08-17 08:35:00 | (1)                                    |      | 59.1 | 21                                         |
| 2021-08-17 08:35:00 | (1)                                    |      |      | 385                                        |
| 2021-08-17 08:35:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-17 08:35:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-17 08:35:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-17 08:35:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-17 08:35:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-17 08:35:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-17 08:35:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-17 08:35:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-17 08:35:00 | Air Speed Indicated                    |      |      | 290.1                                      |
| 2021-08-17 08:35:00 | Aircraft Gross Weight                  |      |      | 55773                                      |
| 2021-08-17 08:35:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-17 08:35:00 | Altitude                               |      |      | 25601                                      |
| 2021-08-17 08:35:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-17 08:35:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-17 08:35:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-17 08:35:00 | Core Speed                             | 92.8 | 92.8 |                                            |
| 2021-08-17 08:35:00 | Date GE Received                       |      |      | 08/17/2021                                 |
| 2021-08-17 08:35:00 | Date of Report                         |      |      | 08/17/2021                                 |
| 2021-08-17 08:35:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-17 08:35:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-08-17 08:35:00 | Downlink Ground Station                |      |      | CGO                                        |
| 2021-08-17 08:35:00 | EGT Exhaust Gas Temperature            | 622  | 622  |                                            |
| 2021-08-17 08:35:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-17 08:35:00 | Flight Counter                         |      |      | 428                                        |
| 2021-08-17 08:35:00 | Flight Number ACARS                    |      |      | 5385                                       |
| 2021-08-17 08:35:00 | Flight Number ACMS                     |      |      | 5385                                       |
| 2021-08-17 08:35:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-17 08:35:00 | Fuel Flow                              | 1275 | 1267 |                                            |
| 2021-08-17 08:35:00 | Ground Speed                           |      |      | 405.9                                      |
| 2021-08-17 08:35:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-17 08:35:00 | Leg                                    |      |      | 1                                          |
| 2021-08-17 08:35:00 | Mach Number                            |      |      | 0.703                                      |
| 2021-08-17 08:35:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-17 08:35:00 | N1 Indicated Fan Speed                 | 82.3 | 82.3 |                                            |
| 2021-08-17 08:35:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-08-17 08:35:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-08-17 08:35:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-17 08:35:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-17 08:35:00 | Temperature Static Air                 |      |      | -21.3                                      |
| 2021-08-17 08:35:00 | Throttle Lever Angle                   | 59.1 | 59.1 |                                            |
| 2021-08-17 08:35:00 | Time GE Received                       |      |      | 09:26:14                                   |
| 2021-08-17 08:35:00 | Time Of Report                         |      |      | 08:35:00                                   |
| 2021-08-17 08:35:00 | Total Air Temperature Aircraft         |      |      | 3.5                                        |
| 2021-08-17 08:35:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 08:35:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 08:35:00 | Vibration N1 #1 Bearing                | 0.18 | 0.06 |                                            |
| 2021-08-17 08:35:00 | Vibration N1 Phase Angle #1 Bearing    | 85   | 72   |                                            |
| 2021-08-17 08:35:00 | Vibration N1 Phase Angle Turbine Frame | 90   | 57   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-17 08:35:00 | Vibration N1 Turbine Frame             | 0.42 | 0.18 |                                            |
| 2021-08-17 08:35:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-08-17 08:35:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-08-17 04:37:00 | (1)                                    |      | 61.1 | 21                                         |
| 2021-08-17 04:37:00 | (1)                                    |      |      | 157                                        |
| 2021-08-17 04:37:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-17 04:37:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-17 04:37:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-17 04:37:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-17 04:37:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-17 04:37:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-17 04:37:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-17 04:37:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-17 04:37:00 | Air Speed Indicated                    |      |      | 293.7                                      |
| 2021-08-17 04:37:00 | Aircraft Gross Weight                  |      |      | 65154                                      |
| 2021-08-17 04:37:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-17 04:37:00 | Altitude                               |      |      | 24601                                      |
| 2021-08-17 04:37:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-17 04:37:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-17 04:37:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-17 04:37:00 | Core Speed                             | 94.6 | 94.5 |                                            |
| 2021-08-17 04:37:00 | Date GE Received                       |      |      | 08/17/2021                                 |
| 2021-08-17 04:37:00 | Date of Report                         |      |      | 08/17/2021                                 |
| 2021-08-17 04:37:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-08-17 04:37:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-17 04:37:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-17 04:37:00 | EGT Exhaust Gas Temperature            | 649  | 648  |                                            |
| 2021-08-17 04:37:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-17 04:37:00 | Flight Counter                         |      |      | 954                                        |
| 2021-08-17 04:37:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-08-17 04:37:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-08-17 04:37:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-17 04:37:00 | Fuel Flow                              | 1407 | 1388 |                                            |
| 2021-08-17 04:37:00 | Ground Speed                           |      |      | 442.9                                      |
| 2021-08-17 04:37:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-17 04:37:00 | Leg                                    |      |      | 1                                          |
| 2021-08-17 04:37:00 | Mach Number                            |      |      | 0.697                                      |
| 2021-08-17 04:37:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-17 04:37:00 | N1 Indicated Fan Speed                 | 84.7 | 84.5 |                                            |
| 2021-08-17 04:37:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-08-17 04:37:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-08-17 04:37:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-17 04:37:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-17 04:37:00 | Temperature Static Air                 |      |      | -15.2                                      |
| 2021-08-17 04:37:00 | Throttle Lever Angle                   | 61.1 | 61.1 |                                            |
| 2021-08-17 04:37:00 | Time GE Received                       |      |      | 05:44:15                                   |
| 2021-08-17 04:37:00 | Time Of Report                         |      |      | 04:37:00                                   |
| 2021-08-17 04:37:00 | Total Air Temperature Aircraft         |      |      | 10                                         |
| 2021-08-17 04:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 04:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 04:37:00 | Vibration N1 #1 Bearing                | 0.13 | 0.12 |                                            |
| 2021-08-17 04:37:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 64   |                                            |
| 2021-08-17 04:37:00 | Vibration N1 Phase Angle Turbine Frame | 89   | 69   |                                            |
| 2021-08-17 04:37:00 | Vibration N1 Turbine Frame             | 0.57 | 0.28 |                                            |
| 2021-08-17 04:37:00 | Vibration N2 #1 Bearing                | 0.04 | 0.13 |                                            |
| 2021-08-17 04:37:00 | Vibration N2 Turbine Frame             | 0.06 | 0.06 |                                            |
| 2021-08-17 01:04:00 | (1)                                    |      | 61   | 21                                         |
| 2021-08-17 01:04:00 | (1)                                    |      |      | 152                                        |
| 2021-08-17 01:04:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-17 01:04:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-17 01:04:00 | Air Conditioning Pack 1                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-17 01:04:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-17 01:04:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-17 01:04:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-17 01:04:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-17 01:04:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-17 01:04:00 | Air Speed Indicated                    |      |      | 262.3                                      |
| 2021-08-17 01:04:00 | Aircraft Gross Weight                  |      |      | 62632                                      |
| 2021-08-17 01:04:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-17 01:04:00 | Altitude                               |      |      | 34095                                      |
| 2021-08-17 01:04:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-17 01:04:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-17 01:04:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-17 01:04:00 | Core Speed                             | 92.6 | 92.3 |                                            |
| 2021-08-17 01:04:00 | Date GE Received                       |      |      | 08/17/2021                                 |
| 2021-08-17 01:04:00 | Date of Report                         |      |      | 08/17/2021                                 |
| 2021-08-17 01:04:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-17 01:04:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-08-17 01:04:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-08-17 01:04:00 | EGT Exhaust Gas Temperature            | 647  | 657  |                                            |
| 2021-08-17 01:04:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-17 01:04:00 | Flight Counter                         |      |      | 1869                                       |
| 2021-08-17 01:04:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-08-17 01:04:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-08-17 01:04:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-17 01:04:00 | Fuel Flow                              | 1177 | 1168 |                                            |
| 2021-08-17 01:04:00 | Ground Speed                           |      |      | 423.6                                      |
| 2021-08-17 01:04:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-17 01:04:00 | Leg                                    |      |      | 1                                          |
| 2021-08-17 01:04:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-08-17 01:04:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-17 01:04:00 | N1 Indicated Fan Speed                 | 86.9 | 86.8 |                                            |
| 2021-08-17 01:04:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-08-17 01:04:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-08-17 01:04:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-17 01:04:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-17 01:04:00 | Temperature Static Air                 |      |      | -41.7                                      |
| 2021-08-17 01:04:00 | Throttle Lever Angle                   | 61   | 61   |                                            |
| 2021-08-17 01:04:00 | Time GE Received                       |      |      | 02:21:12                                   |
| 2021-08-17 01:04:00 | Time Of Report                         |      |      | 01:04:00                                   |
| 2021-08-17 01:04:00 | Total Air Temperature Aircraft         |      |      | -15                                        |
| 2021-08-17 01:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 01:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-17 01:04:00 | Vibration N1 #1 Bearing                | 0.11 | 0.04 |                                            |
| 2021-08-17 01:04:00 | Vibration N1 Phase Angle #1 Bearing    | 103  | 10   |                                            |
| 2021-08-17 01:04:00 | Vibration N1 Phase Angle Turbine Frame | 113  | 58   |                                            |
| 2021-08-17 01:04:00 | Vibration N1 Turbine Frame             | 0.34 | 0.21 |                                            |
| 2021-08-17 01:04:00 | Vibration N2 #1 Bearing                | 0.06 | 0.11 |                                            |
| 2021-08-17 01:04:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-08-16 04:30:00 | (1)                                    |      | 61.7 | 21                                         |
| 2021-08-16 04:30:00 | (1)                                    |      |      | 157                                        |
| 2021-08-16 04:30:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-16 04:30:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-16 04:30:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-16 04:30:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-16 04:30:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-16 04:30:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-16 04:30:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-16 04:30:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-16 04:30:00 | Air Speed Indicated                    |      |      | 286.9                                      |
| 2021-08-16 04:30:00 | Aircraft Gross Weight                  |      |      | 64609                                      |
| 2021-08-16 04:30:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-16 04:30:00 | Altitude                               |      |      | 29103                                      |
| 2021-08-16 04:30:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-16 04:30:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-16 04:30:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-16 04:30:00 | Core Speed                             | 94.4 | 94.3 |                                            |
| 2021-08-16 04:30:00 | Date GE Received                       |      |      | 08/16/2021                                 |
| 2021-08-16 04:30:00 | Date of Report                         |      |      | 08/16/2021                                 |
| 2021-08-16 04:30:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-08-16 04:30:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-16 04:30:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-16 04:30:00 | EGT Exhaust Gas Temperature            | 659  | 656  |                                            |
| 2021-08-16 04:30:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-16 04:30:00 | Flight Counter                         |      |      | 1152                                       |
| 2021-08-16 04:30:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-08-16 04:30:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-08-16 04:30:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-16 04:30:00 | Fuel Flow                              | 1328 | 1310 |                                            |
| 2021-08-16 04:30:00 | Ground Speed                           |      |      | 463.4                                      |
| 2021-08-16 04:30:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-16 04:30:00 | Leg                                    |      |      | 1                                          |
| 2021-08-16 04:30:00 | Mach Number                            |      |      | 0.746                                      |
| 2021-08-16 04:30:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-16 04:30:00 | N1 Indicated Fan Speed                 | 86.5 | 86.5 |                                            |
| 2021-08-16 04:30:00 | Oil Pressure                           | 47   | 47   |                                            |
| 2021-08-16 04:30:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-08-16 04:30:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-16 04:30:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-16 04:30:00 | Temperature Static Air                 |      |      | -25.8                                      |
| 2021-08-16 04:30:00 | Throttle Lever Angle                   | 61.8 | 61.7 |                                            |
| 2021-08-16 04:30:00 | Time GE Received                       |      |      | 05:40:07                                   |
| 2021-08-16 04:30:00 | Time Of Report                         |      |      | 04:30:00                                   |
| 2021-08-16 04:30:00 | Total Air Temperature Aircraft         |      |      | 1.8                                        |
| 2021-08-16 04:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-16 04:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-16 04:30:00 | Vibration N1 #1 Bearing                | 0.15 | 0.12 |                                            |
| 2021-08-16 04:30:00 | Vibration N1 Phase Angle #1 Bearing    | 127  | 70   |                                            |
| 2021-08-16 04:30:00 | Vibration N1 Phase Angle Turbine Frame | 93   | 78   |                                            |
| 2021-08-16 04:30:00 | Vibration N1 Turbine Frame             | 0.45 | 0.3  |                                            |
| 2021-08-16 04:30:00 | Vibration N2 #1 Bearing                | 0.03 | 0.14 |                                            |
| 2021-08-16 04:30:00 | Vibration N2 Turbine Frame             | 0.05 | 0.07 |                                            |
| 2021-08-16 01:14:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-08-16 01:14:00 | (1)                                    |      |      | 152                                        |
| 2021-08-16 01:14:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-08-16 01:14:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-16 01:14:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-16 01:14:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-16 01:14:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-16 01:14:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-16 01:14:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-16 01:14:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-16 01:14:00 | Air Speed Indicated                    |      |      | 284.9                                      |
| 2021-08-16 01:14:00 | Aircraft Gross Weight                  |      |      | 62450                                      |
| 2021-08-16 01:14:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-16 01:14:00 | Altitude                               |      |      | 30101                                      |
| 2021-08-16 01:14:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-16 01:14:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-16 01:14:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-16 01:14:00 | Core Speed                             | 94.5 | 94.5 |                                            |
| 2021-08-16 01:14:00 | Date GE Received                       |      |      | 08/16/2021                                 |
| 2021-08-16 01:14:00 | Date of Report                         |      |      | 08/16/2021                                 |
| 2021-08-16 01:14:00 | Departure Station                      |      |      | ZSS                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-16 01:14:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-08-16 01:14:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-08-16 01:14:00 | EGT Exhaust Gas Temperature            | 667  | 663  |                                            |
| 2021-08-16 01:14:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-16 01:14:00 | Flight Counter                         |      |      | 2306                                       |
| 2021-08-16 01:14:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-08-16 01:14:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-08-16 01:14:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-16 01:14:00 | Fuel Flow                              | 1354 | 1328 |                                            |
| 2021-08-16 01:14:00 | Ground Speed                           |      |      | 422.3                                      |
| 2021-08-16 01:14:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-16 01:14:00 | Leg                                    |      |      | 1                                          |
| 2021-08-16 01:14:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-08-16 01:14:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-16 01:14:00 | N1 Indicated Fan Speed                 | 87.3 | 87.2 |                                            |
| 2021-08-16 01:14:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-08-16 01:14:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-08-16 01:14:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-16 01:14:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-16 01:14:00 | Temperature Static Air                 |      |      | -29                                        |
| 2021-08-16 01:14:00 | Throttle Lever Angle                   | 62.7 | 62.6 |                                            |
| 2021-08-16 01:14:00 | Time GE Received                       |      |      | 02:28:22                                   |
| 2021-08-16 01:14:00 | Time Of Report                         |      |      | 01:14:00                                   |
| 2021-08-16 01:14:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |
| 2021-08-16 01:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-16 01:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-16 01:14:00 | Vibration N1 #1 Bearing                | 0.15 | 0.26 |                                            |
| 2021-08-16 01:14:00 | Vibration N1 Phase Angle #1 Bearing    | 138  | 74   |                                            |
| 2021-08-16 01:14:00 | Vibration N1 Phase Angle Turbine Frame | 97   | 93   |                                            |
| 2021-08-16 01:14:00 | Vibration N1 Turbine Frame             | 0.5  | 0.42 |                                            |
| 2021-08-16 01:14:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-08-16 01:14:00 | Vibration N2 Turbine Frame             | 0.09 | 0.06 |                                            |
| 2021-08-15 11:51:00 | (1)                                    |      | 58.8 | 21                                         |
| 2021-08-15 11:51:00 | (1)                                    |      |      | 394                                        |
| 2021-08-15 11:51:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-15 11:51:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-15 11:51:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-15 11:51:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-15 11:51:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-15 11:51:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-15 11:51:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-15 11:51:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-15 11:51:00 | Air Speed Indicated                    |      |      | 280                                        |
| 2021-08-15 11:51:00 | Aircraft Gross Weight                  |      |      | 58458                                      |
| 2021-08-15 11:51:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-15 11:51:00 | Altitude                               |      |      | 24601                                      |
| 2021-08-15 11:51:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-15 11:51:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-15 11:51:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-15 11:51:00 | Core Speed                             | 93.1 | 93   |                                            |
| 2021-08-15 11:51:00 | Date GE Received                       |      |      | 08/15/2021                                 |
| 2021-08-15 11:51:00 | Date of Report                         |      |      | 08/15/2021                                 |
| 2021-08-15 11:51:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-08-15 11:51:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-15 11:51:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-15 11:51:00 | EGT Exhaust Gas Temperature            | 620  | 615  |                                            |
| 2021-08-15 11:51:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-15 11:51:00 | Flight Counter                         |      |      | 3520                                       |
| 2021-08-15 11:51:00 | Flight Number ACARS                    |      |      | 5394                                       |
| 2021-08-15 11:51:00 | Flight Number ACMS                     |      |      | 5394                                       |
| 2021-08-15 11:51:00 | Flight Phase ACMS                      |      |      | SCR2                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-15 11:51:00 | Fuel Flow                              | 1240 | 1224 |                                            |
| 2021-08-15 11:51:00 | Ground Speed                           |      |      | 446.8                                      |
| 2021-08-15 11:51:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-15 11:51:00 | Leg                                    |      |      | 1                                          |
| 2021-08-15 11:51:00 | Mach Number                            |      |      | 0.667                                      |
| 2021-08-15 11:51:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-15 11:51:00 | N1 Indicated Fan Speed                 | 81.5 | 81.3 |                                            |
| 2021-08-15 11:51:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-08-15 11:51:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-08-15 11:51:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-15 11:51:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-15 11:51:00 | Temperature Static Air                 |      |      | -15.2                                      |
| 2021-08-15 11:51:00 | Throttle Lever Angle                   | 58.9 | 58.8 |                                            |
| 2021-08-15 11:51:00 | Time GE Received                       |      |      | 12:28:12                                   |
| 2021-08-15 11:51:00 | Time Of Report                         |      |      | 11:51:00                                   |
| 2021-08-15 11:51:00 | Total Air Temperature Aircraft         |      |      | 7.8                                        |
| 2021-08-15 11:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 11:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 11:51:00 | Vibration N1 #1 Bearing                | 0.1  | 0.07 |                                            |
| 2021-08-15 11:51:00 | Vibration N1 Phase Angle #1 Bearing    | 155  | 62   |                                            |
| 2021-08-15 11:51:00 | Vibration N1 Phase Angle Turbine Frame | 70   | 52   |                                            |
| 2021-08-15 11:51:00 | Vibration N1 Turbine Frame             | 0.52 | 0.2  |                                            |
| 2021-08-15 11:51:00 | Vibration N2 #1 Bearing                | 0.04 | 0.09 |                                            |
| 2021-08-15 11:51:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-08-15 09:03:00 | (1)                                    |      | 59.3 | 21                                         |
| 2021-08-15 09:03:00 | (1)                                    |      |      | 385                                        |
| 2021-08-15 09:03:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-15 09:03:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-15 09:03:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-15 09:03:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-15 09:03:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-15 09:03:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-15 09:03:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-15 09:03:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-15 09:03:00 | Air Speed Indicated                    |      |      | 277.5                                      |
| 2021-08-15 09:03:00 | Aircraft Gross Weight                  |      |      | 58985                                      |
| 2021-08-15 09:03:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-15 09:03:00 | Altitude                               |      |      | 25599                                      |
| 2021-08-15 09:03:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-15 09:03:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-15 09:03:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-15 09:03:00 | Core Speed                             | 93.2 | 93.2 |                                            |
| 2021-08-15 09:03:00 | Date GE Received                       |      |      | 08/15/2021                                 |
| 2021-08-15 09:03:00 | Date of Report                         |      |      | 08/15/2021                                 |
| 2021-08-15 09:03:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-15 09:03:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-08-15 09:03:00 | Downlink Ground Station                |      |      | CGO                                        |
| 2021-08-15 09:03:00 | EGT Exhaust Gas Temperature            | 625  | 621  |                                            |
| 2021-08-15 09:03:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-15 09:03:00 | Flight Counter                         |      |      | 1003                                       |
| 2021-08-15 09:03:00 | Flight Number ACARS                    |      |      | 5385                                       |
| 2021-08-15 09:03:00 | Flight Number ACMS                     |      |      | 5385                                       |
| 2021-08-15 09:03:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-15 09:03:00 | Fuel Flow                              | 1253 | 1242 |                                            |
| 2021-08-15 09:03:00 | Ground Speed                           |      |      | 387.1                                      |
| 2021-08-15 09:03:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-15 09:03:00 | Leg                                    |      |      | 1                                          |
| 2021-08-15 09:03:00 | Mach Number                            |      |      | 0.674                                      |
| 2021-08-15 09:03:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-15 09:03:00 | N1 Indicated Fan Speed                 | 82.4 | 82.5 |                                            |
| 2021-08-15 09:03:00 | Oil Pressure                           | 46   | 48   |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-15 09:03:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-08-15 09:03:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-15 09:03:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-15 09:03:00 | Temperature Static Air                 |      |      | -18.3                                      |
| 2021-08-15 09:03:00 | Throttle Lever Angle                   | 59.4 | 59.3 |                                            |
| 2021-08-15 09:03:00 | Time GE Received                       |      |      | 09:28:40                                   |
| 2021-08-15 09:03:00 | Time Of Report                         |      |      | 09:03:00                                   |
| 2021-08-15 09:03:00 | Total Air Temperature Aircraft         |      |      | 5                                          |
| 2021-08-15 09:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 09:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 09:03:00 | Vibration N1 #1 Bearing                | 0.06 | 0.09 |                                            |
| 2021-08-15 09:03:00 | Vibration N1 Phase Angle #1 Bearing    | 140  | 53   |                                            |
| 2021-08-15 09:03:00 | Vibration N1 Phase Angle Turbine Frame | 55   | 58   |                                            |
| 2021-08-15 09:03:00 | Vibration N1 Turbine Frame             | 0.5  | 0.26 |                                            |
| 2021-08-15 09:03:00 | Vibration N2 #1 Bearing                | 0.03 | 0.14 |                                            |
| 2021-08-15 09:03:00 | Vibration N2 Turbine Frame             | 0.05 | 0.12 |                                            |
| 2021-08-15 04:36:00 | (1)                                    |      | 61.8 | 21                                         |
| 2021-08-15 04:36:00 | (1)                                    |      |      | 157                                        |
| 2021-08-15 04:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-15 04:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-15 04:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-15 04:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-15 04:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-15 04:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-15 04:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-15 04:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-15 04:36:00 | Air Speed Indicated                    |      |      | 287.7                                      |
| 2021-08-15 04:36:00 | Aircraft Gross Weight                  |      |      | 64337                                      |
| 2021-08-15 04:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-15 04:36:00 | Altitude                               |      |      | 29106                                      |
| 2021-08-15 04:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-15 04:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-15 04:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-15 04:36:00 | Core Speed                             | 94.4 | 94.4 |                                            |
| 2021-08-15 04:36:00 | Date GE Received                       |      |      | 08/15/2021                                 |
| 2021-08-15 04:36:00 | Date of Report                         |      |      | 08/15/2021                                 |
| 2021-08-15 04:36:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-08-15 04:36:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-15 04:36:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-15 04:36:00 | EGT Exhaust Gas Temperature            | 655  | 651  |                                            |
| 2021-08-15 04:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-15 04:36:00 | Flight Counter                         |      |      | 1100                                       |
| 2021-08-15 04:36:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-08-15 04:36:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-08-15 04:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-15 04:36:00 | Fuel Flow                              | 1343 | 1328 |                                            |
| 2021-08-15 04:36:00 | Ground Speed                           |      |      | 489                                        |
| 2021-08-15 04:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-15 04:36:00 | Leg                                    |      |      | 1                                          |
| 2021-08-15 04:36:00 | Mach Number                            |      |      | 0.747                                      |
| 2021-08-15 04:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-15 04:36:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-08-15 04:36:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-08-15 04:36:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-08-15 04:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-15 04:36:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-15 04:36:00 | Temperature Static Air                 |      |      | -27.3                                      |
| 2021-08-15 04:36:00 | Throttle Lever Angle                   | 61.8 | 61.8 |                                            |
| 2021-08-15 04:36:00 | Time GE Received                       |      |      | 08:25:47                                   |
| 2021-08-15 04:36:00 | Time Of Report                         |      |      | 04:36:00                                   |
| 2021-08-15 04:36:00 | Total Air Temperature Aircraft         |      |      | 0.3                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-15 04:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 04:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 04:36:00 | Vibration N1 #1 Bearing                | 0.18 | 0.18 |                                            |
| 2021-08-15 04:36:00 | Vibration N1 Phase Angle #1 Bearing    | 125  | 60   |                                            |
| 2021-08-15 04:36:00 | Vibration N1 Phase Angle Turbine Frame | 94   | 80   |                                            |
| 2021-08-15 04:36:00 | Vibration N1 Turbine Frame             | 0.52 | 0.3  |                                            |
| 2021-08-15 04:36:00 | Vibration N2 #1 Bearing                | 0.03 | 0.15 |                                            |
| 2021-08-15 04:36:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-08-15 01:23:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-08-15 01:23:00 | (1)                                    |      |      | 152                                        |
| 2021-08-15 01:23:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-15 01:23:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-15 01:23:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-15 01:23:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-15 01:23:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-15 01:23:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-15 01:23:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-15 01:23:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-15 01:23:00 | Air Speed Indicated                    |      |      | 262.4                                      |
| 2021-08-15 01:23:00 | Aircraft Gross Weight                  |      |      | 62214                                      |
| 2021-08-15 01:23:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-15 01:23:00 | Altitude                               |      |      | 34102                                      |
| 2021-08-15 01:23:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-15 01:23:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-15 01:23:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-15 01:23:00 | Core Speed                             | 93.2 | 92.9 |                                            |
| 2021-08-15 01:23:00 | Date GE Received                       |      |      | 08/15/2021                                 |
| 2021-08-15 01:23:00 | Date of Report                         |      |      | 08/15/2021                                 |
| 2021-08-15 01:23:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-15 01:23:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-08-15 01:23:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-08-15 01:23:00 | EGT Exhaust Gas Temperature            | 651  | 653  |                                            |
| 2021-08-15 01:23:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-15 01:23:00 | Flight Counter                         |      |      | 2295                                       |
| 2021-08-15 01:23:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-08-15 01:23:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-08-15 01:23:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-15 01:23:00 | Fuel Flow                              | 1151 | 1150 |                                            |
| 2021-08-15 01:23:00 | Ground Speed                           |      |      | 409.5                                      |
| 2021-08-15 01:23:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-15 01:23:00 | Leg                                    |      |      | 1                                          |
| 2021-08-15 01:23:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-08-15 01:23:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-15 01:23:00 | N1 Indicated Fan Speed                 | 87   | 87   |                                            |
| 2021-08-15 01:23:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-15 01:23:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-08-15 01:23:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-15 01:23:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-15 01:23:00 | Temperature Static Air                 |      |      | -37.3                                      |
| 2021-08-15 01:23:00 | Throttle Lever Angle                   | 61.4 | 61.4 |                                            |
| 2021-08-15 01:23:00 | Time GE Received                       |      |      | 02:31:08                                   |
| 2021-08-15 01:23:00 | Time Of Report                         |      |      | 01:23:00                                   |
| 2021-08-15 01:23:00 | Total Air Temperature Aircraft         |      |      | -10                                        |
| 2021-08-15 01:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 01:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-15 01:23:00 | Vibration N1 #1 Bearing                | 0.12 | 0.05 |                                            |
| 2021-08-15 01:23:00 | Vibration N1 Phase Angle #1 Bearing    | 149  | 45   |                                            |
| 2021-08-15 01:23:00 | Vibration N1 Phase Angle Turbine Frame | 91   | 62   |                                            |
| 2021-08-15 01:23:00 | Vibration N1 Turbine Frame             | 0.49 | 0.23 |                                            |
| 2021-08-15 01:23:00 | Vibration N2 #1 Bearing                | 0.05 | 0.07 |                                            |
| 2021-08-15 01:23:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-14 04:37:00 | (1)                                    |      | 59.6 | 21                                         |
| 2021-08-14 04:37:00 | (1)                                    |      |      | 157                                        |
| 2021-08-14 04:37:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-14 04:37:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-14 04:37:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-14 04:37:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-14 04:37:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-14 04:37:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-14 04:37:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-14 04:37:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-14 04:37:00 | Air Speed Indicated                    |      |      | 279.6                                      |
| 2021-08-14 04:37:00 | Aircraft Gross Weight                  |      |      | 65081                                      |
| 2021-08-14 04:37:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-14 04:37:00 | Altitude                               |      |      | 24604                                      |
| 2021-08-14 04:37:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-14 04:37:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-14 04:37:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-14 04:37:00 | Core Speed                             | 93.2 | 93.4 |                                            |
| 2021-08-14 04:37:00 | Date GE Received                       |      |      | 08/14/2021                                 |
| 2021-08-14 04:37:00 | Date of Report                         |      |      | 08/14/2021                                 |
| 2021-08-14 04:37:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-08-14 04:37:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-14 04:37:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-08-14 04:37:00 | EGT Exhaust Gas Temperature            | 629  | 622  |                                            |
| 2021-08-14 04:37:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-14 04:37:00 | Flight Counter                         |      |      | 4025                                       |
| 2021-08-14 04:37:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-08-14 04:37:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-08-14 04:37:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-14 04:37:00 | Fuel Flow                              | 1308 | 1291 |                                            |
| 2021-08-14 04:37:00 | Ground Speed                           |      |      | 454.8                                      |
| 2021-08-14 04:37:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-14 04:37:00 | Leg                                    |      |      | 1                                          |
| 2021-08-14 04:37:00 | Mach Number                            |      |      | 0.666                                      |
| 2021-08-14 04:37:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-14 04:37:00 | N1 Indicated Fan Speed                 | 82.6 | 82.7 |                                            |
| 2021-08-14 04:37:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-08-14 04:37:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-08-14 04:37:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-14 04:37:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-14 04:37:00 | Temperature Static Air                 |      |      | -17.3                                      |
| 2021-08-14 04:37:00 | Throttle Lever Angle                   | 59.5 | 59.6 |                                            |
| 2021-08-14 04:37:00 | Time GE Received                       |      |      | 05:51:32                                   |
| 2021-08-14 04:37:00 | Time Of Report                         |      |      | 04:37:00                                   |
| 2021-08-14 04:37:00 | Total Air Temperature Aircraft         |      |      | 5.5                                        |
| 2021-08-14 04:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-14 04:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-14 04:37:00 | Vibration N1 #1 Bearing                | 0.13 | 0.1  |                                            |
| 2021-08-14 04:37:00 | Vibration N1 Phase Angle #1 Bearing    | 121  | 75   |                                            |
| 2021-08-14 04:37:00 | Vibration N1 Phase Angle Turbine Frame | 93   | 66   |                                            |
| 2021-08-14 04:37:00 | Vibration N1 Turbine Frame             | 0.32 | 0.24 |                                            |
| 2021-08-14 04:37:00 | Vibration N2 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-08-14 04:37:00 | Vibration N2 Turbine Frame             | 0.02 | 0.09 |                                            |
| 2021-08-14 01:01:00 | (1)                                    |      | 59.6 | 21                                         |
| 2021-08-14 01:01:00 | (1)                                    |      |      | 152                                        |
| 2021-08-14 01:01:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-14 01:01:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-14 01:01:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-14 01:01:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-14 01:01:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-14 01:01:00 | Air Conditioning Pack 2                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-14 01:01:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-14 01:01:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-14 01:01:00 | Air Speed Indicated                    |      |      | 279.7                                      |
| 2021-08-14 01:01:00 | Aircraft Gross Weight                  |      |      | 61833                                      |
| 2021-08-14 01:01:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-14 01:01:00 | Altitude                               |      |      | 25600                                      |
| 2021-08-14 01:01:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-14 01:01:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-14 01:01:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-14 01:01:00 | Core Speed                             | 93.5 | 93.5 |                                            |
| 2021-08-14 01:01:00 | Date GE Received                       |      |      | 08/14/2021                                 |
| 2021-08-14 01:01:00 | Date of Report                         |      |      | 08/14/2021                                 |
| 2021-08-14 01:01:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-14 01:01:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-08-14 01:01:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-08-14 01:01:00 | EGT Exhaust Gas Temperature            | 631  | 628  |                                            |
| 2021-08-14 01:01:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-14 01:01:00 | Flight Counter                         |      |      | 787                                        |
| 2021-08-14 01:01:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-08-14 01:01:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-08-14 01:01:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-14 01:01:00 | Fuel Flow                              | 1251 | 1244 |                                            |
| 2021-08-14 01:01:00 | Ground Speed                           |      |      | 386.9                                      |
| 2021-08-14 01:01:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-14 01:01:00 | Leg                                    |      |      | 1                                          |
| 2021-08-14 01:01:00 | Mach Number                            |      |      | 0.68                                       |
| 2021-08-14 01:01:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-14 01:01:00 | N1 Indicated Fan Speed                 | 82.6 | 82.5 |                                            |
| 2021-08-14 01:01:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-08-14 01:01:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-08-14 01:01:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-14 01:01:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-14 01:01:00 | Temperature Static Air                 |      |      | -16.5                                      |
| 2021-08-14 01:01:00 | Throttle Lever Angle                   | 59.6 | 59.6 |                                            |
| 2021-08-14 01:01:00 | Time GE Received                       |      |      | 02:25:41                                   |
| 2021-08-14 01:01:00 | Time Of Report                         |      |      | 01:01:00                                   |
| 2021-08-14 01:01:00 | Total Air Temperature Aircraft         |      |      | 7.3                                        |
| 2021-08-14 01:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-14 01:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-14 01:01:00 | Vibration N1 #1 Bearing                | 0.11 | 0.05 |                                            |
| 2021-08-14 01:01:00 | Vibration N1 Phase Angle #1 Bearing    | 103  | 96   |                                            |
| 2021-08-14 01:01:00 | Vibration N1 Phase Angle Turbine Frame | 79   | 78   |                                            |
| 2021-08-14 01:01:00 | Vibration N1 Turbine Frame             | 0.32 | 0.11 |                                            |
| 2021-08-14 01:01:00 | Vibration N2 #1 Bearing                | 0.01 | 0.13 |                                            |
| 2021-08-14 01:01:00 | Vibration N2 Turbine Frame             | 0.04 | 0.1  |                                            |
| 2021-08-13 04:40:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-08-13 04:40:00 | (1)                                    |      |      | 157                                        |
| 2021-08-13 04:40:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-08-13 04:40:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-13 04:40:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-13 04:40:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-13 04:40:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-13 04:40:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-13 04:40:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-13 04:40:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-13 04:40:00 | Air Speed Indicated                    |      |      | 281.1                                      |
| 2021-08-13 04:40:00 | Aircraft Gross Weight                  |      |      | 64936                                      |
| 2021-08-13 04:40:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-13 04:40:00 | Altitude                               |      |      | 29104                                      |
| 2021-08-13 04:40:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-13 04:40:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-13 04:40:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-13 04:40:00 | Core Speed                             | 94.9 | 94.9 |                                            |
| 2021-08-13 04:40:00 | Date GE Received                       |      |      | 08/13/2021                                 |
| 2021-08-13 04:40:00 | Date of Report                         |      |      | 08/13/2021                                 |
| 2021-08-13 04:40:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-08-13 04:40:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-13 04:40:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-08-13 04:40:00 | EGT Exhaust Gas Temperature            | 669  | 666  |                                            |
| 2021-08-13 04:40:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-13 04:40:00 | Flight Counter                         |      |      | 915                                        |
| 2021-08-13 04:40:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-08-13 04:40:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-08-13 04:40:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-13 04:40:00 | Fuel Flow                              | 1348 | 1323 |                                            |
| 2021-08-13 04:40:00 | Ground Speed                           |      |      | 491.1                                      |
| 2021-08-13 04:40:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-13 04:40:00 | Leg                                    |      |      | 1                                          |
| 2021-08-13 04:40:00 | Mach Number                            |      |      | 0.732                                      |
| 2021-08-13 04:40:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-13 04:40:00 | N1 Indicated Fan Speed                 | 87   | 87   |                                            |
| 2021-08-13 04:40:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-08-13 04:40:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-08-13 04:40:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-13 04:40:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-13 04:40:00 | Temperature Static Air                 |      |      | -23.3                                      |
| 2021-08-13 04:40:00 | Throttle Lever Angle                   | 62.9 | 62.9 |                                            |
| 2021-08-13 04:40:00 | Time GE Received                       |      |      | 05:25:17                                   |
| 2021-08-13 04:40:00 | Time Of Report                         |      |      | 04:40:00                                   |
| 2021-08-13 04:40:00 | Total Air Temperature Aircraft         |      |      | 3.5                                        |
| 2021-08-13 04:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-13 04:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-13 04:40:00 | Vibration N1 #1 Bearing                | 0.21 | 0.24 |                                            |
| 2021-08-13 04:40:00 | Vibration N1 Phase Angle #1 Bearing    | 173  | 88   |                                            |
| 2021-08-13 04:40:00 | Vibration N1 Phase Angle Turbine Frame | 105  | 108  |                                            |
| 2021-08-13 04:40:00 | Vibration N1 Turbine Frame             | 0.57 | 0.42 |                                            |
| 2021-08-13 04:40:00 | Vibration N2 #1 Bearing                | 0.05 | 0.2  |                                            |
| 2021-08-13 04:40:00 | Vibration N2 Turbine Frame             | 0.07 | 0.05 |                                            |
| 2021-08-13 00:51:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-08-13 00:51:00 | (1)                                    |      |      | 152                                        |
| 2021-08-13 00:51:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-13 00:51:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-13 00:51:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-13 00:51:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-13 00:51:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-13 00:51:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-13 00:51:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-13 00:51:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-13 00:51:00 | Air Speed Indicated                    |      |      | 287.3                                      |
| 2021-08-13 00:51:00 | Aircraft Gross Weight                  |      |      | 61380                                      |
| 2021-08-13 00:51:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-13 00:51:00 | Altitude                               |      |      | 30100                                      |
| 2021-08-13 00:51:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-13 00:51:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-13 00:51:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-13 00:51:00 | Core Speed                             | 94.5 | 94.4 |                                            |
| 2021-08-13 00:51:00 | Date GE Received                       |      |      | 08/13/2021                                 |
| 2021-08-13 00:51:00 | Date of Report                         |      |      | 08/13/2021                                 |
| 2021-08-13 00:51:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-13 00:51:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-08-13 00:51:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-08-13 00:51:00 | EGT Exhaust Gas Temperature            | 661  | 660  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-13 00:51:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-13 00:51:00 | Flight Counter                         |      |      | 1584                                       |
| 2021-08-13 00:51:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-08-13 00:51:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-08-13 00:51:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-13 00:51:00 | Fuel Flow                              | 1305 | 1290 |                                            |
| 2021-08-13 00:51:00 | Ground Speed                           |      |      | 425.1                                      |
| 2021-08-13 00:51:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-13 00:51:00 | Leg                                    |      |      | 1                                          |
| 2021-08-13 00:51:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-08-13 00:51:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-13 00:51:00 | N1 Indicated Fan Speed                 | 87.1 | 87   |                                            |
| 2021-08-13 00:51:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-08-13 00:51:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-08-13 00:51:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-13 00:51:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-13 00:51:00 | Temperature Static Air                 |      |      | -25.8                                      |
| 2021-08-13 00:51:00 | Throttle Lever Angle                   | 62.3 | 62.3 |                                            |
| 2021-08-13 00:51:00 | Time GE Received                       |      |      | 02:02:05                                   |
| 2021-08-13 00:51:00 | Time Of Report                         |      |      | 00:51:00                                   |
| 2021-08-13 00:51:00 | Total Air Temperature Aircraft         |      |      | 3                                          |
| 2021-08-13 00:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-13 00:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-13 00:51:00 | Vibration N1 #1 Bearing                | 0.18 | 0.1  |                                            |
| 2021-08-13 00:51:00 | Vibration N1 Phase Angle #1 Bearing    | 112  | 89   |                                            |
| 2021-08-13 00:51:00 | Vibration N1 Phase Angle Turbine Frame | 128  | 84   |                                            |
| 2021-08-13 00:51:00 | Vibration N1 Turbine Frame             | 0.35 | 0.3  |                                            |
| 2021-08-13 00:51:00 | Vibration N2 #1 Bearing                | 0.05 | 0.12 |                                            |
| 2021-08-13 00:51:00 | Vibration N2 Turbine Frame             | 0.08 | 0.07 |                                            |
| 2021-08-12 04:45:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-08-12 04:45:00 | (1)                                    |      |      | 157                                        |
| 2021-08-12 04:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-12 04:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-12 04:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-12 04:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-12 04:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-12 04:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-12 04:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-12 04:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-12 04:45:00 | Air Speed Indicated                    |      |      | 256.7                                      |
| 2021-08-12 04:45:00 | Aircraft Gross Weight                  |      |      | 62414                                      |
| 2021-08-12 04:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-12 04:45:00 | Altitude                               |      |      | 35098                                      |
| 2021-08-12 04:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-12 04:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-12 04:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-12 04:45:00 | Core Speed                             | 94.1 | 93.9 |                                            |
| 2021-08-12 04:45:00 | Date GE Received                       |      |      | 08/12/2021                                 |
| 2021-08-12 04:45:00 | Date of Report                         |      |      | 08/12/2021                                 |
| 2021-08-12 04:45:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-08-12 04:45:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-12 04:45:00 | Downlink Ground Station                |      |      | NTG                                        |
| 2021-08-12 04:45:00 | EGT Exhaust Gas Temperature            | 670  | 677  |                                            |
| 2021-08-12 04:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-12 04:45:00 | Flight Counter                         |      |      | 1910                                       |
| 2021-08-12 04:45:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-08-12 04:45:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-08-12 04:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-12 04:45:00 | Fuel Flow                              | 1182 | 1174 |                                            |
| 2021-08-12 04:45:00 | Ground Speed                           |      |      | 486.1                                      |
| 2021-08-12 04:45:00 | Isolation valve left                   |      |      | 0                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-12 04:45:00 | Leg                                    |      |      | 1                                          |
| 2021-08-12 04:45:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-08-12 04:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-12 04:45:00 | N1 Indicated Fan Speed                 | 88.7 | 88.7 |                                            |
| 2021-08-12 04:45:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-08-12 04:45:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-08-12 04:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-12 04:45:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-12 04:45:00 | Temperature Static Air                 |      |      | -37.5                                      |
| 2021-08-12 04:45:00 | Throttle Lever Angle                   | 62.6 | 62.7 |                                            |
| 2021-08-12 04:45:00 | Time GE Received                       |      |      | 05:30:25                                   |
| 2021-08-12 04:45:00 | Time Of Report                         |      |      | 04:45:00                                   |
| 2021-08-12 04:45:00 | Total Air Temperature Aircraft         |      |      | -10.2                                      |
| 2021-08-12 04:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-12 04:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-12 04:45:00 | Vibration N1 #1 Bearing                | 0.16 | 0.09 |                                            |
| 2021-08-12 04:45:00 | Vibration N1 Phase Angle #1 Bearing    | 150  | 67   |                                            |
| 2021-08-12 04:45:00 | Vibration N1 Phase Angle Turbine Frame | 103  | 74   |                                            |
| 2021-08-12 04:45:00 | Vibration N1 Turbine Frame             | 0.5  | 0.28 |                                            |
| 2021-08-12 04:45:00 | Vibration N2 #1 Bearing                | 0.02 | 0.13 |                                            |
| 2021-08-12 04:45:00 | Vibration N2 Turbine Frame             | 0.05 | 0.1  |                                            |
| 2021-08-12 01:12:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-08-12 01:12:00 | (1)                                    |      |      | 152                                        |
| 2021-08-12 01:12:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-08-12 01:12:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-12 01:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-12 01:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-12 01:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-12 01:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-12 01:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-12 01:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-12 01:12:00 | Air Speed Indicated                    |      |      | 285.3                                      |
| 2021-08-12 01:12:00 | Aircraft Gross Weight                  |      |      | 62269                                      |
| 2021-08-12 01:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-12 01:12:00 | Altitude                               |      |      | 30094                                      |
| 2021-08-12 01:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-12 01:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-12 01:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-12 01:12:00 | Core Speed                             | 94.6 | 94.7 |                                            |
| 2021-08-12 01:12:00 | Date GE Received                       |      |      | 08/12/2021                                 |
| 2021-08-12 01:12:00 | Date of Report                         |      |      | 08/12/2021                                 |
| 2021-08-12 01:12:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-12 01:12:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-08-12 01:12:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-08-12 01:12:00 | EGT Exhaust Gas Temperature            | 665  | 664  |                                            |
| 2021-08-12 01:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-12 01:12:00 | Flight Counter                         |      |      | 2813                                       |
| 2021-08-12 01:12:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-08-12 01:12:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-08-12 01:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-12 01:12:00 | Fuel Flow                              | 1311 | 1296 |                                            |
| 2021-08-12 01:12:00 | Ground Speed                           |      |      | 431.5                                      |
| 2021-08-12 01:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-12 01:12:00 | Leg                                    |      |      | 1                                          |
| 2021-08-12 01:12:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-08-12 01:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-12 01:12:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-08-12 01:12:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-08-12 01:12:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-08-12 01:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-12 01:12:00 | Software ID ACMS                       |      |      | A85 27                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-12 01:12:00 | Temperature Static Air                 |      |      | -26.7                                      |
| 2021-08-12 01:12:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-08-12 01:12:00 | Time GE Received                       |      |      | 02:36:38                                   |
| 2021-08-12 01:12:00 | Time Of Report                         |      |      | 01:12:00                                   |
| 2021-08-12 01:12:00 | Total Air Temperature Aircraft         |      |      | 1.5                                        |
| 2021-08-12 01:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-12 01:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-12 01:12:00 | Vibration N1 #1 Bearing                | 0.14 | 0.13 |                                            |
| 2021-08-12 01:12:00 | Vibration N1 Phase Angle #1 Bearing    | 118  | 53   |                                            |
| 2021-08-12 01:12:00 | Vibration N1 Phase Angle Turbine Frame | 101  | 71   |                                            |
| 2021-08-12 01:12:00 | Vibration N1 Turbine Frame             | 0.46 | 0.26 |                                            |
| 2021-08-12 01:12:00 | Vibration N2 #1 Bearing                | 0.04 | 0.15 |                                            |
| 2021-08-12 01:12:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-08-11 05:51:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-08-11 05:51:00 | (1)                                    |      |      | 605                                        |
| 2021-08-11 05:51:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-11 05:51:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-11 05:51:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-11 05:51:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-11 05:51:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-11 05:51:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-11 05:51:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-11 05:51:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-11 05:51:00 | Air Speed Indicated                    |      |      | 253.1                                      |
| 2021-08-11 05:51:00 | Aircraft Gross Weight                  |      |      | 64464                                      |
| 2021-08-11 05:51:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-11 05:51:00 | Altitude                               |      |      | 35100                                      |
| 2021-08-11 05:51:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-11 05:51:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-11 05:51:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-11 05:51:00 | Core Speed                             | 94   | 93.6 |                                            |
| 2021-08-11 05:51:00 | Date GE Received                       |      |      | 08/11/2021                                 |
| 2021-08-11 05:51:00 | Date of Report                         |      |      | 08/11/2021                                 |
| 2021-08-11 05:51:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-11 05:51:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-11 05:51:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-11 05:51:00 | EGT Exhaust Gas Temperature            | 672  | 678  |                                            |
| 2021-08-11 05:51:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-11 05:51:00 | Flight Counter                         |      |      | 1765                                       |
| 2021-08-11 05:51:00 | Flight Number ACARS                    |      |      | 7605                                       |
| 2021-08-11 05:51:00 | Flight Number ACMS                     |      |      | 7605                                       |
| 2021-08-11 05:51:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-11 05:51:00 | Fuel Flow                              | 1177 | 1164 |                                            |
| 2021-08-11 05:51:00 | Ground Speed                           |      |      | 444.9                                      |
| 2021-08-11 05:51:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-11 05:51:00 | Leg                                    |      |      | 1                                          |
| 2021-08-11 05:51:00 | Mach Number                            |      |      | 0.751                                      |
| 2021-08-11 05:51:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-11 05:51:00 | N1 Indicated Fan Speed                 | 88.8 | 88.7 |                                            |
| 2021-08-11 05:51:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-08-11 05:51:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-08-11 05:51:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-11 05:51:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-11 05:51:00 | Temperature Static Air                 |      |      | -36.7                                      |
| 2021-08-11 05:51:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-08-11 05:51:00 | Time GE Received                       |      |      | 07:36:12                                   |
| 2021-08-11 05:51:00 | Time Of Report                         |      |      | 05:51:00                                   |
| 2021-08-11 05:51:00 | Total Air Temperature Aircraft         |      |      | -10.2                                      |
| 2021-08-11 05:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-11 05:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-11 05:51:00 | Vibration N1 #1 Bearing                | 0.27 | 0.11 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-11 05:51:00 | Vibration N1 Phase Angle #1 Bearing    | 138  | 78   |                                            |
| 2021-08-11 05:51:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 96   |                                            |
| 2021-08-11 05:51:00 | Vibration N1 Turbine Frame             | 0.43 | 0.26 |                                            |
| 2021-08-11 05:51:00 | Vibration N2 #1 Bearing                | 0.02 | 0.11 |                                            |
| 2021-08-11 05:51:00 | Vibration N2 Turbine Frame             | 0.04 | 0.1  |                                            |
| 2021-08-10 04:32:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-08-10 04:32:00 | (1)                                    |      |      | 732                                        |
| 2021-08-10 04:32:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-10 04:32:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-10 04:32:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-10 04:32:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-10 04:32:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-10 04:32:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-10 04:32:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-10 04:32:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-10 04:32:00 | Air Speed Indicated                    |      |      | 251.6                                      |
| 2021-08-10 04:32:00 | Aircraft Gross Weight                  |      |      | 62740                                      |
| 2021-08-10 04:32:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-10 04:32:00 | Altitude                               |      |      | 36101                                      |
| 2021-08-10 04:32:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-10 04:32:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-10 04:32:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-10 04:32:00 | Core Speed                             | 93.3 | 93.1 |                                            |
| 2021-08-10 04:32:00 | Date GE Received                       |      |      | 08/10/2021                                 |
| 2021-08-10 04:32:00 | Date of Report                         |      |      | 08/10/2021                                 |
| 2021-08-10 04:32:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-08-10 04:32:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-10 04:32:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-10 04:32:00 | EGT Exhaust Gas Temperature            | 661  | 666  |                                            |
| 2021-08-10 04:32:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-10 04:32:00 | Flight Counter                         |      |      | 1810                                       |
| 2021-08-10 04:32:00 | Flight Number ACARS                    |      |      | 5732                                       |
| 2021-08-10 04:32:00 | Flight Number ACMS                     |      |      | 5732                                       |
| 2021-08-10 04:32:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-10 04:32:00 | Fuel Flow                              | 1128 | 1123 |                                            |
| 2021-08-10 04:32:00 | Ground Speed                           |      |      | 473.7                                      |
| 2021-08-10 04:32:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-10 04:32:00 | Leg                                    |      |      | 1                                          |
| 2021-08-10 04:32:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-08-10 04:32:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-10 04:32:00 | N1 Indicated Fan Speed                 | 88.2 | 88.2 |                                            |
| 2021-08-10 04:32:00 | Oil Pressure                           | 43   | 45   |                                            |
| 2021-08-10 04:32:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-08-10 04:32:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-10 04:32:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-10 04:32:00 | Temperature Static Air                 |      |      | -40.5                                      |
| 2021-08-10 04:32:00 | Throttle Lever Angle                   | 62.2 | 62.2 |                                            |
| 2021-08-10 04:32:00 | Time GE Received                       |      |      | 05:10:51                                   |
| 2021-08-10 04:32:00 | Time Of Report                         |      |      | 04:32:00                                   |
| 2021-08-10 04:32:00 | Total Air Temperature Aircraft         |      |      | -13.2                                      |
| 2021-08-10 04:32:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-10 04:32:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-10 04:32:00 | Vibration N1 #1 Bearing                | 0.17 | 0.08 |                                            |
| 2021-08-10 04:32:00 | Vibration N1 Phase Angle #1 Bearing    | 187  | 65   |                                            |
| 2021-08-10 04:32:00 | Vibration N1 Phase Angle Turbine Frame | 107  | 86   |                                            |
| 2021-08-10 04:32:00 | Vibration N1 Turbine Frame             | 0.45 | 0.25 |                                            |
| 2021-08-10 04:32:00 | Vibration N2 #1 Bearing                | 0.03 | 0.1  |                                            |
| 2021-08-10 04:32:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-08-10 00:36:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-08-10 00:36:00 | (1)                                    |      |      | 731                                        |
| 2021-08-10 00:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-10 00:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-10 00:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-10 00:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-10 00:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-10 00:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-10 00:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-10 00:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-10 00:36:00 | Air Speed Indicated                    |      |      | 256.6                                      |
| 2021-08-10 00:36:00 | Aircraft Gross Weight                  |      |      | 66950                                      |
| 2021-08-10 00:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-10 00:36:00 | Altitude                               |      |      | 35100                                      |
| 2021-08-10 00:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-10 00:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-10 00:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-10 00:36:00 | Core Speed                             | 94.3 | 94   |                                            |
| 2021-08-10 00:36:00 | Date GE Received                       |      |      | 08/10/2021                                 |
| 2021-08-10 00:36:00 | Date of Report                         |      |      | 08/10/2021                                 |
| 2021-08-10 00:36:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-10 00:36:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-08-10 00:36:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-08-10 00:36:00 | EGT Exhaust Gas Temperature            | 671  | 675  |                                            |
| 2021-08-10 00:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-10 00:36:00 | Flight Counter                         |      |      | 2375                                       |
| 2021-08-10 00:36:00 | Flight Number ACARS                    |      |      | 5731                                       |
| 2021-08-10 00:36:00 | Flight Number ACMS                     |      |      | 5731                                       |
| 2021-08-10 00:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-10 00:36:00 | Fuel Flow                              | 1195 | 1184 |                                            |
| 2021-08-10 00:36:00 | Ground Speed                           |      |      | 444.2                                      |
| 2021-08-10 00:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-10 00:36:00 | Leg                                    |      |      | 1                                          |
| 2021-08-10 00:36:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-08-10 00:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-10 00:36:00 | N1 Indicated Fan Speed                 | 89   | 89   |                                            |
| 2021-08-10 00:36:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-10 00:36:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-08-10 00:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-10 00:36:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-10 00:36:00 | Temperature Static Air                 |      |      | -37.3                                      |
| 2021-08-10 00:36:00 | Throttle Lever Angle                   | 62.9 | 62.9 |                                            |
| 2021-08-10 00:36:00 | Time GE Received                       |      |      | 01:25:47                                   |
| 2021-08-10 00:36:00 | Time Of Report                         |      |      | 00:36:00                                   |
| 2021-08-10 00:36:00 | Total Air Temperature Aircraft         |      |      | -10                                        |
| 2021-08-10 00:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-10 00:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-10 00:36:00 | Vibration N1 #1 Bearing                | 0.27 | 0.08 |                                            |
| 2021-08-10 00:36:00 | Vibration N1 Phase Angle #1 Bearing    | 114  | 75   |                                            |
| 2021-08-10 00:36:00 | Vibration N1 Phase Angle Turbine Frame | 130  | 72   |                                            |
| 2021-08-10 00:36:00 | Vibration N1 Turbine Frame             | 0.37 | 0.23 |                                            |
| 2021-08-10 00:36:00 | Vibration N2 #1 Bearing                | 0.04 | 0.13 |                                            |
| 2021-08-10 00:36:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |
| 2021-08-08 09:09:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-08-08 09:09:00 | (1)                                    |      |      | 736                                        |
| 2021-08-08 09:09:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-08 09:09:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-08 09:09:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-08 09:09:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-08 09:09:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-08 09:09:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-08 09:09:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-08 09:09:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-08 09:09:00 | Air Speed Indicated                    |      |      | 289                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-08 09:09:00 | Aircraft Gross Weight                  |      |      | 66623                                      |
| 2021-08-08 09:09:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-08 09:09:00 | Altitude                               |      |      | 27602                                      |
| 2021-08-08 09:09:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-08 09:09:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-08 09:09:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-08 09:09:00 | Core Speed                             | 95.1 | 95.1 |                                            |
| 2021-08-08 09:09:00 | Date GE Received                       |      |      | 08/08/2021                                 |
| 2021-08-08 09:09:00 | Date of Report                         |      |      | 08/08/2021                                 |
| 2021-08-08 09:09:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-08-08 09:09:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-08 09:09:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-08 09:09:00 | EGT Exhaust Gas Temperature            | 662  | 664  |                                            |
| 2021-08-08 09:09:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-08 09:09:00 | Flight Counter                         |      |      | 348                                        |
| 2021-08-08 09:09:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-08-08 09:09:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-08-08 09:09:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-08 09:09:00 | Fuel Flow                              | 1386 | 1372 |                                            |
| 2021-08-08 09:09:00 | Ground Speed                           |      |      | 469.1                                      |
| 2021-08-08 09:09:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-08 09:09:00 | Leg                                    |      |      | 1                                          |
| 2021-08-08 09:09:00 | Mach Number                            |      |      | 0.728                                      |
| 2021-08-08 09:09:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-08 09:09:00 | N1 Indicated Fan Speed                 | 86.7 | 86.8 |                                            |
| 2021-08-08 09:09:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-08-08 09:09:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-08-08 09:09:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-08 09:09:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-08 09:09:00 | Temperature Static Air                 |      |      | -20.5                                      |
| 2021-08-08 09:09:00 | Throttle Lever Angle                   | 62.2 | 62.2 |                                            |
| 2021-08-08 09:09:00 | Time GE Received                       |      |      | 10:18:29                                   |
| 2021-08-08 09:09:00 | Time Of Report                         |      |      | 09:09:00                                   |
| 2021-08-08 09:09:00 | Total Air Temperature Aircraft         |      |      | 6.3                                        |
| 2021-08-08 09:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-08 09:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-08 09:09:00 | Vibration N1 #1 Bearing                | 0.26 | 0.19 |                                            |
| 2021-08-08 09:09:00 | Vibration N1 Phase Angle #1 Bearing    | 122  | 91   |                                            |
| 2021-08-08 09:09:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 105  |                                            |
| 2021-08-08 09:09:00 | Vibration N1 Turbine Frame             | 0.45 | 0.39 |                                            |
| 2021-08-08 09:09:00 | Vibration N2 #1 Bearing                | 0.06 | 0.21 |                                            |
| 2021-08-08 09:09:00 | Vibration N2 Turbine Frame             | 0.05 | 0.03 |                                            |
| 2021-08-08 05:46:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-08-08 05:46:00 | (1)                                    |      |      | 735                                        |
| 2021-08-08 05:46:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-08 05:46:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-08 05:46:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-08 05:46:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-08 05:46:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-08 05:46:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-08 05:46:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-08 05:46:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-08 05:46:00 | Air Speed Indicated                    |      |      | 290.4                                      |
| 2021-08-08 05:46:00 | Aircraft Gross Weight                  |      |      | 66532                                      |
| 2021-08-08 05:46:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-08 05:46:00 | Altitude                               |      |      | 29101                                      |
| 2021-08-08 05:46:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-08 05:46:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-08 05:46:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-08 05:46:00 | Core Speed                             | 95.2 | 95.1 |                                            |
| 2021-08-08 05:46:00 | Date GE Received                       |      |      | 08/08/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-08 05:46:00 | Date of Report                         |      |      | 08/08/2021                                 |
| 2021-08-08 05:46:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-08 05:46:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-08-08 05:46:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-08-08 05:46:00 | EGT Exhaust Gas Temperature            | 671  | 675  |                                            |
| 2021-08-08 05:46:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-08 05:46:00 | Flight Counter                         |      |      | 1402                                       |
| 2021-08-08 05:46:00 | Flight Number ACARS                    |      |      | 5735                                       |
| 2021-08-08 05:46:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-08-08 05:46:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-08 05:46:00 | Fuel Flow                              | 1367 | 1350 |                                            |
| 2021-08-08 05:46:00 | Ground Speed                           |      |      | 451.3                                      |
| 2021-08-08 05:46:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-08 05:46:00 | Leg                                    |      |      | 1                                          |
| 2021-08-08 05:46:00 | Mach Number                            |      |      | 0.754                                      |
| 2021-08-08 05:46:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-08 05:46:00 | N1 Indicated Fan Speed                 | 87.5 | 87.5 |                                            |
| 2021-08-08 05:46:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-08-08 05:46:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-08-08 05:46:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-08 05:46:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-08 05:46:00 | Temperature Static Air                 |      |      | -23.3                                      |
| 2021-08-08 05:46:00 | Throttle Lever Angle                   | 62.7 | 62.8 |                                            |
| 2021-08-08 05:46:00 | Time GE Received                       |      |      | 06:48:14                                   |
| 2021-08-08 05:46:00 | Time Of Report                         |      |      | 05:46:00                                   |
| 2021-08-08 05:46:00 | Total Air Temperature Aircraft         |      |      | 5.3                                        |
| 2021-08-08 05:46:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-08 05:46:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-08 05:46:00 | Vibration N1 #1 Bearing                | 0.24 | 0.1  |                                            |
| 2021-08-08 05:46:00 | Vibration N1 Phase Angle #1 Bearing    | 108  | 100  |                                            |
| 2021-08-08 05:46:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 71   |                                            |
| 2021-08-08 05:46:00 | Vibration N1 Turbine Frame             | 0.4  | 0.33 |                                            |
| 2021-08-08 05:46:00 | Vibration N2 #1 Bearing                | 0.06 | 0.21 |                                            |
| 2021-08-08 05:46:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |
| 2021-08-07 07:53:00 | (1)                                    |      | 62.4 | 21                                         |
| 2021-08-07 07:53:00 | (1)                                    |      |      | 806                                        |
| 2021-08-07 07:53:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-07 07:53:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-07 07:53:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-07 07:53:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-07 07:53:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-07 07:53:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-07 07:53:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-07 07:53:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-07 07:53:00 | Air Speed Indicated                    |      |      | 275.4                                      |
| 2021-08-07 07:53:00 | Aircraft Gross Weight                  |      |      | 60472                                      |
| 2021-08-07 07:53:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-07 07:53:00 | Altitude                               |      |      | 32114                                      |
| 2021-08-07 07:53:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-07 07:53:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-07 07:53:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-07 07:53:00 | Core Speed                             | 94.6 | 94.5 |                                            |
| 2021-08-07 07:53:00 | Date GE Received                       |      |      | 08/07/2021                                 |
| 2021-08-07 07:53:00 | Date of Report                         |      |      | 08/07/2021                                 |
| 2021-08-07 07:53:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-07 07:53:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-07 07:53:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-07 07:53:00 | EGT Exhaust Gas Temperature            | 665  | 665  |                                            |
| 2021-08-07 07:53:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-07 07:53:00 | Flight Counter                         |      |      | 1370                                       |
| 2021-08-07 07:53:00 | Flight Number ACARS                    |      |      | 5806                                       |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-07 07:53:00 | Flight Number ACMS                     |      |      | 5806                                       |
| 2021-08-07 07:53:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-07 07:53:00 | Fuel Flow                              | 1267 | 1253 |                                            |
| 2021-08-07 07:53:00 | Ground Speed                           |      |      | 447.6                                      |
| 2021-08-07 07:53:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-07 07:53:00 | Leg                                    |      |      | 1                                          |
| 2021-08-07 07:53:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-08-07 07:53:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-07 07:53:00 | N1 Indicated Fan Speed                 | 87.9 | 87.9 |                                            |
| 2021-08-07 07:53:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-07 07:53:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-08-07 07:53:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-07 07:53:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-07 07:53:00 | Temperature Static Air                 |      |      | -31.3                                      |
| 2021-08-07 07:53:00 | Throttle Lever Angle                   | 62.4 | 62.4 |                                            |
| 2021-08-07 07:53:00 | Time GE Received                       |      |      | 09:56:39                                   |
| 2021-08-07 07:53:00 | Time Of Report                         |      |      | 07:53:00                                   |
| 2021-08-07 07:53:00 | Total Air Temperature Aircraft         |      |      | -3                                         |
| 2021-08-07 07:53:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-07 07:53:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-07 07:53:00 | Vibration N1 #1 Bearing                | 0.26 | 0.19 |                                            |
| 2021-08-07 07:53:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 77   |                                            |
| 2021-08-07 07:53:00 | Vibration N1 Phase Angle Turbine Frame | 113  | 91   |                                            |
| 2021-08-07 07:53:00 | Vibration N1 Turbine Frame             | 0.45 | 0.33 |                                            |
| 2021-08-07 07:53:00 | Vibration N2 #1 Bearing                | 0.04 | 0.11 |                                            |
| 2021-08-07 07:53:00 | Vibration N2 Turbine Frame             | 0.05 | 0.06 |                                            |
| 2021-08-07 04:31:00 | (1)                                    |      | 62.4 | 21                                         |
| 2021-08-07 04:31:00 | (1)                                    |      |      | 805                                        |
| 2021-08-07 04:31:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-07 04:31:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-07 04:31:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-07 04:31:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-07 04:31:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-07 04:31:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-07 04:31:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-07 04:31:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-07 04:31:00 | Air Speed Indicated                    |      |      | 277                                        |
| 2021-08-07 04:31:00 | Aircraft Gross Weight                  |      |      | 62287                                      |
| 2021-08-07 04:31:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-07 04:31:00 | Altitude                               |      |      | 31101                                      |
| 2021-08-07 04:31:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-07 04:31:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-07 04:31:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-07 04:31:00 | Core Speed                             | 94.7 | 94.7 |                                            |
| 2021-08-07 04:31:00 | Date GE Received                       |      |      | 08/07/2021                                 |
| 2021-08-07 04:31:00 | Date of Report                         |      |      | 08/07/2021                                 |
| 2021-08-07 04:31:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-07 04:31:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-07 04:31:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-07 04:31:00 | EGT Exhaust Gas Temperature            | 669  | 668  |                                            |
| 2021-08-07 04:31:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-07 04:31:00 | Flight Counter                         |      |      | 2441                                       |
| 2021-08-07 04:31:00 | Flight Number ACARS                    |      |      | 5805                                       |
| 2021-08-07 04:31:00 | Flight Number ACMS                     |      |      | 5805                                       |
| 2021-08-07 04:31:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-07 04:31:00 | Fuel Flow                              | 1281 | 1270 |                                            |
| 2021-08-07 04:31:00 | Ground Speed                           |      |      | 463.9                                      |
| 2021-08-07 04:31:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-07 04:31:00 | Leg                                    |      |      | 1                                          |
| 2021-08-07 04:31:00 | Mach Number                            |      |      | 0.751                                      |
| 2021-08-07 04:31:00 | Message Type                           |      |      | CES B737NG CRZ                             |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-07 04:31:00 | N1 Indicated Fan Speed                 | 87.5 | 87.6 |                                            |
| 2021-08-07 04:31:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-08-07 04:31:00 | Oil Temperature                        | 103  | 103  |                                            |
| 2021-08-07 04:31:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-07 04:31:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-07 04:31:00 | Temperature Static Air                 |      |      | -27.5                                      |
| 2021-08-07 04:31:00 | Throttle Lever Angle                   | 62.4 | 62.4 |                                            |
| 2021-08-07 04:31:00 | Time GE Received                       |      |      | 05:35:18                                   |
| 2021-08-07 04:31:00 | Time Of Report                         |      |      | 04:31:00                                   |
| 2021-08-07 04:31:00 | Total Air Temperature Aircraft         |      |      | 0.3                                        |
| 2021-08-07 04:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-07 04:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-07 04:31:00 | Vibration N1 #1 Bearing                | 0.12 | 0.16 |                                            |
| 2021-08-07 04:31:00 | Vibration N1 Phase Angle #1 Bearing    | 177  | 74   |                                            |
| 2021-08-07 04:31:00 | Vibration N1 Phase Angle Turbine Frame | 112  | 80   |                                            |
| 2021-08-07 04:31:00 | Vibration N1 Turbine Frame             | 0.37 | 0.22 |                                            |
| 2021-08-07 04:31:00 | Vibration N2 #1 Bearing                | 0.03 | 0.18 |                                            |
| 2021-08-07 04:31:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-08-06 05:03:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-08-06 05:03:00 | (1)                                    |      |      | 702                                        |
| 2021-08-06 05:03:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-06 05:03:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-06 05:03:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-06 05:03:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-06 05:03:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-06 05:03:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-06 05:03:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-06 05:03:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-06 05:03:00 | Air Speed Indicated                    |      |      | 286.9                                      |
| 2021-08-06 05:03:00 | Aircraft Gross Weight                  |      |      | 64391                                      |
| 2021-08-06 05:03:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-06 05:03:00 | Altitude                               |      |      | 30114                                      |
| 2021-08-06 05:03:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-06 05:03:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-06 05:03:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-06 05:03:00 | Core Speed                             | 93.8 | 93.8 |                                            |
| 2021-08-06 05:03:00 | Date GE Received                       |      |      | 08/06/2021                                 |
| 2021-08-06 05:03:00 | Date of Report                         |      |      | 08/06/2021                                 |
| 2021-08-06 05:03:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-08-06 05:03:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-06 05:03:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-06 05:03:00 | EGT Exhaust Gas Temperature            | 643  | 643  |                                            |
| 2021-08-06 05:03:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-06 05:03:00 | Flight Counter                         |      |      | 1479                                       |
| 2021-08-06 05:03:00 | Flight Number ACARS                    |      |      | 5702                                       |
| 2021-08-06 05:03:00 | Flight Number ACMS                     |      |      | 5702                                       |
| 2021-08-06 05:03:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-06 05:03:00 | Fuel Flow                              | 1327 | 1310 |                                            |
| 2021-08-06 05:03:00 | Ground Speed                           |      |      | 417.6                                      |
| 2021-08-06 05:03:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-06 05:03:00 | Leg                                    |      |      | 1                                          |
| 2021-08-06 05:03:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-08-06 05:03:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-06 05:03:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-08-06 05:03:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-08-06 05:03:00 | Oil Temperature                        | 108  | 108  |                                            |
| 2021-08-06 05:03:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-06 05:03:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-06 05:03:00 | Temperature Static Air                 |      |      | -33.3                                      |
| 2021-08-06 05:03:00 | Throttle Lever Angle                   | 61.4 | 61.4 |                                            |
| 2021-08-06 05:03:00 | Time GE Received                       |      |      | 07:19:52                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-06 05:03:00 | Time Of Report                         |      |      | 05:03:00                                   |
| 2021-08-06 05:03:00 | Total Air Temperature Aircraft         |      |      | -5.5                                       |
| 2021-08-06 05:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-06 05:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-06 05:03:00 | Vibration N1 #1 Bearing                | 0.24 | 0.24 |                                            |
| 2021-08-06 05:03:00 | Vibration N1 Phase Angle #1 Bearing    | 135  | 82   |                                            |
| 2021-08-06 05:03:00 | Vibration N1 Phase Angle Turbine Frame | 122  | 100  |                                            |
| 2021-08-06 05:03:00 | Vibration N1 Turbine Frame             | 0.47 | 0.35 |                                            |
| 2021-08-06 05:03:00 | Vibration N2 #1 Bearing                | 0.02 | 0.12 |                                            |
| 2021-08-06 05:03:00 | Vibration N2 Turbine Frame             | 0.03 | 0.08 |                                            |
| 2021-08-06 00:19:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-08-06 00:19:00 | (1)                                    |      |      | 701                                        |
| 2021-08-06 00:19:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-06 00:19:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-06 00:19:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-06 00:19:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-06 00:19:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-06 00:19:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-06 00:19:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-06 00:19:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-06 00:19:00 | Air Speed Indicated                    |      |      | 263.6                                      |
| 2021-08-06 00:19:00 | Aircraft Gross Weight                  |      |      | 63303                                      |
| 2021-08-06 00:19:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-06 00:19:00 | Altitude                               |      |      | 35108                                      |
| 2021-08-06 00:19:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-06 00:19:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-06 00:19:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-06 00:19:00 | Core Speed                             | 94.3 | 94   |                                            |
| 2021-08-06 00:19:00 | Date GE Received                       |      |      | 08/06/2021                                 |
| 2021-08-06 00:19:00 | Date of Report                         |      |      | 08/06/2021                                 |
| 2021-08-06 00:19:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-06 00:19:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-08-06 00:19:00 | Downlink Ground Station                |      |      | PKX                                        |
| 2021-08-06 00:19:00 | EGT Exhaust Gas Temperature            | 672  | 683  |                                            |
| 2021-08-06 00:19:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-06 00:19:00 | Flight Counter                         |      |      | 1321                                       |
| 2021-08-06 00:19:00 | Flight Number ACARS                    |      |      | 5701                                       |
| 2021-08-06 00:19:00 | Flight Number ACMS                     |      |      | 5701                                       |
| 2021-08-06 00:19:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-06 00:19:00 | Fuel Flow                              | 1211 | 1210 |                                            |
| 2021-08-06 00:19:00 | Ground Speed                           |      |      | 450.8                                      |
| 2021-08-06 00:19:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-06 00:19:00 | Leg                                    |      |      | 1                                          |
| 2021-08-06 00:19:00 | Mach Number                            |      |      | 0.779                                      |
| 2021-08-06 00:19:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-06 00:19:00 | N1 Indicated Fan Speed                 | 89   | 89.1 |                                            |
| 2021-08-06 00:19:00 | Oil Pressure                           | 46   | 46   |                                            |
| 2021-08-06 00:19:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-08-06 00:19:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-06 00:19:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-06 00:19:00 | Temperature Static Air                 |      |      | -38.3                                      |
| 2021-08-06 00:19:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-08-06 00:19:00 | Time GE Received                       |      |      | 02:29:51                                   |
| 2021-08-06 00:19:00 | Time Of Report                         |      |      | 00:19:00                                   |
| 2021-08-06 00:19:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-08-06 00:19:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-06 00:19:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-06 00:19:00 | Vibration N1 #1 Bearing                | 0.23 | 0.05 |                                            |
| 2021-08-06 00:19:00 | Vibration N1 Phase Angle #1 Bearing    | 129  | 84   |                                            |
| 2021-08-06 00:19:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 71   |                                            |
| 2021-08-06 00:19:00 | Vibration N1 Turbine Frame             | 0.35 | 0.59 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-06 00:19:00 | Vibration N2 #1 Bearing                | 0.06 | 0.17 |                                            |
| 2021-08-06 00:19:00 | Vibration N2 Turbine Frame             | 0.12 | 0.14 |                                            |
| 2021-08-05 05:03:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-08-05 05:03:00 | (1)                                    |      |      | 702                                        |
| 2021-08-05 05:03:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-05 05:03:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-05 05:03:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-05 05:03:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-05 05:03:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-05 05:03:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-05 05:03:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-05 05:03:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-05 05:03:00 | Air Speed Indicated                    |      |      | 279.1                                      |
| 2021-08-05 05:03:00 | Aircraft Gross Weight                  |      |      | 62341                                      |
| 2021-08-05 05:03:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-05 05:03:00 | Altitude                               |      |      | 32100                                      |
| 2021-08-05 05:03:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-05 05:03:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-05 05:03:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-05 05:03:00 | Core Speed                             | 93.7 | 93.5 |                                            |
| 2021-08-05 05:03:00 | Date GE Received                       |      |      | 08/05/2021                                 |
| 2021-08-05 05:03:00 | Date of Report                         |      |      | 08/05/2021                                 |
| 2021-08-05 05:03:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-08-05 05:03:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-05 05:03:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-05 05:03:00 | EGT Exhaust Gas Temperature            | 652  | 652  |                                            |
| 2021-08-05 05:03:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-05 05:03:00 | Flight Counter                         |      |      | 1976                                       |
| 2021-08-05 05:03:00 | Flight Number ACARS                    |      |      | 5702                                       |
| 2021-08-05 05:03:00 | Flight Number ACMS                     |      |      | 5702                                       |
| 2021-08-05 05:03:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-05 05:03:00 | Fuel Flow                              | 1230 | 1210 |                                            |
| 2021-08-05 05:03:00 | Ground Speed                           |      |      | 406.3                                      |
| 2021-08-05 05:03:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-05 05:03:00 | Leg                                    |      |      | 1                                          |
| 2021-08-05 05:03:00 | Mach Number                            |      |      | 0.773                                      |
| 2021-08-05 05:03:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-05 05:03:00 | N1 Indicated Fan Speed                 | 86.9 | 86.8 |                                            |
| 2021-08-05 05:03:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-08-05 05:03:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-08-05 05:03:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-05 05:03:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-05 05:03:00 | Temperature Static Air                 |      |      | -33                                        |
| 2021-08-05 05:03:00 | Throttle Lever Angle                   | 61.5 | 61.5 |                                            |
| 2021-08-05 05:03:00 | Time GE Received                       |      |      | 07:13:24                                   |
| 2021-08-05 05:03:00 | Time Of Report                         |      |      | 05:03:00                                   |
| 2021-08-05 05:03:00 | Total Air Temperature Aircraft         |      |      | -4.3                                       |
| 2021-08-05 05:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-05 05:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-05 05:03:00 | Vibration N1 #1 Bearing                | 0.16 | 0.12 |                                            |
| 2021-08-05 05:03:00 | Vibration N1 Phase Angle #1 Bearing    | 120  | 90   |                                            |
| 2021-08-05 05:03:00 | Vibration N1 Phase Angle Turbine Frame | 128  | 95   |                                            |
| 2021-08-05 05:03:00 | Vibration N1 Turbine Frame             | 0.42 | 0.31 |                                            |
| 2021-08-05 05:03:00 | Vibration N2 #1 Bearing                | 0.03 | 0.12 |                                            |
| 2021-08-05 05:03:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-08-05 00:34:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-08-05 00:34:00 | (1)                                    |      |      | 701                                        |
| 2021-08-05 00:34:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-05 00:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-05 00:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-05 00:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-05 00:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-05 00:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-05 00:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-05 00:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-05 00:34:00 | Air Speed Indicated                    |      |      | 256.7                                      |
| 2021-08-05 00:34:00 | Aircraft Gross Weight                  |      |      | 61997                                      |
| 2021-08-05 00:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-05 00:34:00 | Altitude                               |      |      | 35102                                      |
| 2021-08-05 00:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-05 00:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-05 00:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-05 00:34:00 | Core Speed                             | 94.1 | 93.8 |                                            |
| 2021-08-05 00:34:00 | Date GE Received                       |      |      | 08/05/2021                                 |
| 2021-08-05 00:34:00 | Date of Report                         |      |      | 08/05/2021                                 |
| 2021-08-05 00:34:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-05 00:34:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-08-05 00:34:00 | Downlink Ground Station                |      |      | PKX                                        |
| 2021-08-05 00:34:00 | EGT Exhaust Gas Temperature            | 667  | 674  |                                            |
| 2021-08-05 00:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-05 00:34:00 | Flight Counter                         |      |      | 2046                                       |
| 2021-08-05 00:34:00 | Flight Number ACARS                    |      |      | 5701                                       |
| 2021-08-05 00:34:00 | Flight Number ACMS                     |      |      | 5701                                       |
| 2021-08-05 00:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-05 00:34:00 | Fuel Flow                              | 1162 | 1155 |                                            |
| 2021-08-05 00:34:00 | Ground Speed                           |      |      | 437.4                                      |
| 2021-08-05 00:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-05 00:34:00 | Leg                                    |      |      | 1                                          |
| 2021-08-05 00:34:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-08-05 00:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-05 00:34:00 | N1 Indicated Fan Speed                 | 88.4 | 88.4 |                                            |
| 2021-08-05 00:34:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-05 00:34:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-08-05 00:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-05 00:34:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-05 00:34:00 | Temperature Static Air                 |      |      | -37                                        |
| 2021-08-05 00:34:00 | Throttle Lever Angle                   | 62.5 | 62.5 |                                            |
| 2021-08-05 00:34:00 | Time GE Received                       |      |      | 02:33:52                                   |
| 2021-08-05 00:34:00 | Time Of Report                         |      |      | 00:34:00                                   |
| 2021-08-05 00:34:00 | Total Air Temperature Aircraft         |      |      | -9.5                                       |
| 2021-08-05 00:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-05 00:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-05 00:34:00 | Vibration N1 #1 Bearing                | 0.18 | 0.08 |                                            |
| 2021-08-05 00:34:00 | Vibration N1 Phase Angle #1 Bearing    | 150  | 75   |                                            |
| 2021-08-05 00:34:00 | Vibration N1 Phase Angle Turbine Frame | 121  | 83   |                                            |
| 2021-08-05 00:34:00 | Vibration N1 Turbine Frame             | 0.32 | 0.2  |                                            |
| 2021-08-05 00:34:00 | Vibration N2 #1 Bearing                | 0.03 | 0.13 |                                            |
| 2021-08-05 00:34:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-08-04 05:05:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-08-04 05:05:00 | (1)                                    |      |      | 702                                        |
| 2021-08-04 05:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-04 05:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-04 05:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-04 05:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-04 05:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-04 05:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-04 05:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-04 05:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-04 05:05:00 | Air Speed Indicated                    |      |      | 294.5                                      |
| 2021-08-04 05:05:00 | Aircraft Gross Weight                  |      |      | 69562                                      |
| 2021-08-04 05:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-04 05:05:00 | Altitude                               |      |      | 27598                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-04 05:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-04 05:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-04 05:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-04 05:05:00 | Core Speed                             | 94.3 | 94.2 |                                            |
| 2021-08-04 05:05:00 | Date GE Received                       |      |      | 08/04/2021                                 |
| 2021-08-04 05:05:00 | Date of Report                         |      |      | 08/04/2021                                 |
| 2021-08-04 05:05:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-08-04 05:05:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-04 05:05:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-04 05:05:00 | EGT Exhaust Gas Temperature            | 643  | 646  |                                            |
| 2021-08-04 05:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-04 05:05:00 | Flight Counter                         |      |      | 1682                                       |
| 2021-08-04 05:05:00 | Flight Number ACARS                    |      |      | 5702                                       |
| 2021-08-04 05:05:00 | Flight Number ACMS                     |      |      | 5702                                       |
| 2021-08-04 05:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-04 05:05:00 | Fuel Flow                              | 1397 | 1378 |                                            |
| 2021-08-04 05:05:00 | Ground Speed                           |      |      | 415                                        |
| 2021-08-04 05:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-04 05:05:00 | Leg                                    |      |      | 1                                          |
| 2021-08-04 05:05:00 | Mach Number                            |      |      | 0.741                                      |
| 2021-08-04 05:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-04 05:05:00 | N1 Indicated Fan Speed                 | 86.3 | 86.2 |                                            |
| 2021-08-04 05:05:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-08-04 05:05:00 | Oil Temperature                        | 107  | 107  |                                            |
| 2021-08-04 05:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-04 05:05:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-04 05:05:00 | Temperature Static Air                 |      |      | -26.7                                      |
| 2021-08-04 05:05:00 | Throttle Lever Angle                   | 61.5 | 61.4 |                                            |
| 2021-08-04 05:05:00 | Time GE Received                       |      |      | 07:22:46                                   |
| 2021-08-04 05:05:00 | Time Of Report                         |      |      | 05:05:00                                   |
| 2021-08-04 05:05:00 | Total Air Temperature Aircraft         |      |      | 0.5                                        |
| 2021-08-04 05:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-04 05:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-04 05:05:00 | Vibration N1 #1 Bearing                | 0.25 | 0.24 |                                            |
| 2021-08-04 05:05:00 | Vibration N1 Phase Angle #1 Bearing    | 128  | 82   |                                            |
| 2021-08-04 05:05:00 | Vibration N1 Phase Angle Turbine Frame | 112  | 96   |                                            |
| 2021-08-04 05:05:00 | Vibration N1 Turbine Frame             | 0.44 | 0.35 |                                            |
| 2021-08-04 05:05:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-08-04 05:05:00 | Vibration N2 Turbine Frame             | 0.04 | 0.07 |                                            |
| 2021-08-04 00:49:00 | (1)                                    |      | 62.4 | 21                                         |
| 2021-08-04 00:49:00 | (1)                                    |      |      | 701                                        |
| 2021-08-04 00:49:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-04 00:49:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-04 00:49:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-04 00:49:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-04 00:49:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-04 00:49:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-04 00:49:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-04 00:49:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-04 00:49:00 | Air Speed Indicated                    |      |      | 261                                        |
| 2021-08-04 00:49:00 | Aircraft Gross Weight                  |      |      | 63285                                      |
| 2021-08-04 00:49:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-04 00:49:00 | Altitude                               |      |      | 35101                                      |
| 2021-08-04 00:49:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-04 00:49:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-04 00:49:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-04 00:49:00 | Core Speed                             | 93.9 | 93.7 |                                            |
| 2021-08-04 00:49:00 | Date GE Received                       |      |      | 08/04/2021                                 |
| 2021-08-04 00:49:00 | Date of Report                         |      |      | 08/04/2021                                 |
| 2021-08-04 00:49:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-04 00:49:00 | Destination Station                    |      |      | ZBA                                        |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-04 00:49:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-08-04 00:49:00 | EGT Exhaust Gas Temperature            | 667  | 674  |                                            |
| 2021-08-04 00:49:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-04 00:49:00 | Flight Counter                         |      |      | 1939                                       |
| 2021-08-04 00:49:00 | Flight Number ACARS                    |      |      | 5701                                       |
| 2021-08-04 00:49:00 | Flight Number ACMS                     |      |      | 5701                                       |
| 2021-08-04 00:49:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-04 00:49:00 | Fuel Flow                              | 1180 | 1177 |                                            |
| 2021-08-04 00:49:00 | Ground Speed                           |      |      | 438.8                                      |
| 2021-08-04 00:49:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-04 00:49:00 | Leg                                    |      |      | 1                                          |
| 2021-08-04 00:49:00 | Mach Number                            |      |      | 0.773                                      |
| 2021-08-04 00:49:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-04 00:49:00 | N1 Indicated Fan Speed                 | 88.5 | 88.5 |                                            |
| 2021-08-04 00:49:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-04 00:49:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-08-04 00:49:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-04 00:49:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-04 00:49:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-08-04 00:49:00 | Throttle Lever Angle                   | 62.4 | 62.4 |                                            |
| 2021-08-04 00:49:00 | Time GE Received                       |      |      | 02:49:02                                   |
| 2021-08-04 00:49:00 | Time Of Report                         |      |      | 00:49:00                                   |
| 2021-08-04 00:49:00 | Total Air Temperature Aircraft         |      |      | -10.5                                      |
| 2021-08-04 00:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-04 00:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-04 00:49:00 | Vibration N1 #1 Bearing                | 0.2  | 0.09 |                                            |
| 2021-08-04 00:49:00 | Vibration N1 Phase Angle #1 Bearing    | 128  | 76   |                                            |
| 2021-08-04 00:49:00 | Vibration N1 Phase Angle Turbine Frame | 136  | 68   |                                            |
| 2021-08-04 00:49:00 | Vibration N1 Turbine Frame             | 0.35 | 0.29 |                                            |
| 2021-08-04 00:49:00 | Vibration N2 #1 Bearing                | 0.03 | 0.09 |                                            |
| 2021-08-04 00:49:00 | Vibration N2 Turbine Frame             | 0.07 | 0.07 |                                            |
| 2021-08-03 03:40:00 | (1)                                    |      | 60.4 | 21                                         |
| 2021-08-03 03:40:00 | (1)                                    |      |      | 730                                        |
| 2021-08-03 03:40:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-03 03:40:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-03 03:40:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-03 03:40:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-03 03:40:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-03 03:40:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-03 03:40:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-03 03:40:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-03 03:40:00 | Air Speed Indicated                    |      |      | 290.4                                      |
| 2021-08-03 03:40:00 | Aircraft Gross Weight                  |      |      | 62922                                      |
| 2021-08-03 03:40:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-03 03:40:00 | Altitude                               |      |      | 25604                                      |
| 2021-08-03 03:40:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-03 03:40:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-03 03:40:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-03 03:40:00 | Core Speed                             | 94.1 | 94.1 |                                            |
| 2021-08-03 03:40:00 | Date GE Received                       |      |      | 08/03/2021                                 |
| 2021-08-03 03:40:00 | Date of Report                         |      |      | 08/03/2021                                 |
| 2021-08-03 03:40:00 | Departure Station                      |      |      | ZHY                                        |
| 2021-08-03 03:40:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-03 03:40:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-03 03:40:00 | EGT Exhaust Gas Temperature            | 634  | 633  |                                            |
| 2021-08-03 03:40:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-03 03:40:00 | Flight Counter                         |      |      | 322                                        |
| 2021-08-03 03:40:00 | Flight Number ACARS                    |      |      | 5730                                       |
| 2021-08-03 03:40:00 | Flight Number ACMS                     |      |      | 5730                                       |
| 2021-08-03 03:40:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-03 03:40:00 | Fuel Flow                              | 1343 | 1329 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-03 03:40:00 | Ground Speed                           |      |      | 445.1                                      |
| 2021-08-03 03:40:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-03 03:40:00 | Leg                                    |      |      | 1                                          |
| 2021-08-03 03:40:00 | Mach Number                            |      |      | 0.705                                      |
| 2021-08-03 03:40:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-03 03:40:00 | N1 Indicated Fan Speed                 | 84   | 84   |                                            |
| 2021-08-03 03:40:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-08-03 03:40:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-08-03 03:40:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-03 03:40:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-03 03:40:00 | Temperature Static Air                 |      |      | -18.8                                      |
| 2021-08-03 03:40:00 | Throttle Lever Angle                   | 60.5 | 60.4 |                                            |
| 2021-08-03 03:40:00 | Time GE Received                       |      |      | 04:39:51                                   |
| 2021-08-03 03:40:00 | Time Of Report                         |      |      | 03:40:00                                   |
| 2021-08-03 03:40:00 | Total Air Temperature Aircraft         |      |      | 6.5                                        |
| 2021-08-03 03:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-03 03:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-03 03:40:00 | Vibration N1 #1 Bearing                | 0.13 | 0.13 |                                            |
| 2021-08-03 03:40:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 81   |                                            |
| 2021-08-03 03:40:00 | Vibration N1 Phase Angle Turbine Frame | 91   | 81   |                                            |
| 2021-08-03 03:40:00 | Vibration N1 Turbine Frame             | 0.35 | 0.25 |                                            |
| 2021-08-03 03:40:00 | Vibration N2 #1 Bearing                | 0.02 | 0.15 |                                            |
| 2021-08-03 03:40:00 | Vibration N2 Turbine Frame             | 0.08 | 0.09 |                                            |
| 2021-08-03 00:45:00 | (1)                                    |      | 61.1 | 21                                         |
| 2021-08-03 00:45:00 | (1)                                    |      |      | 729                                        |
| 2021-08-03 00:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-03 00:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-03 00:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-03 00:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-03 00:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-03 00:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-03 00:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-03 00:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-03 00:45:00 | Air Speed Indicated                    |      |      | 279.2                                      |
| 2021-08-03 00:45:00 | Aircraft Gross Weight                  |      |      | 58386                                      |
| 2021-08-03 00:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-03 00:45:00 | Altitude                               |      |      | 31099                                      |
| 2021-08-03 00:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-03 00:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-03 00:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-03 00:45:00 | Core Speed                             | 93.6 | 93.4 |                                            |
| 2021-08-03 00:45:00 | Date GE Received                       |      |      | 08/03/2021                                 |
| 2021-08-03 00:45:00 | Date of Report                         |      |      | 08/03/2021                                 |
| 2021-08-03 00:45:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-03 00:45:00 | Destination Station                    |      |      | ZHY                                        |
| 2021-08-03 00:45:00 | Downlink Ground Station                |      |      | YIH                                        |
| 2021-08-03 00:45:00 | EGT Exhaust Gas Temperature            | 644  | 642  |                                            |
| 2021-08-03 00:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-03 00:45:00 | Flight Counter                         |      |      | 1789                                       |
| 2021-08-03 00:45:00 | Flight Number ACARS                    |      |      | 5729                                       |
| 2021-08-03 00:45:00 | Flight Number ACMS                     |      |      | 5729                                       |
| 2021-08-03 00:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-03 00:45:00 | Fuel Flow                              | 1214 | 1203 |                                            |
| 2021-08-03 00:45:00 | Ground Speed                           |      |      | 426                                        |
| 2021-08-03 00:45:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-03 00:45:00 | Leg                                    |      |      | 1                                          |
| 2021-08-03 00:45:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-08-03 00:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-03 00:45:00 | N1 Indicated Fan Speed                 | 85.9 | 85.9 |                                            |
| 2021-08-03 00:45:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-03 00:45:00 | Oil Temperature                        | 110  | 111  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-03 00:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-03 00:45:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-03 00:45:00 | Temperature Static Air                 |      |      | -29.8                                      |
| 2021-08-03 00:45:00 | Throttle Lever Angle                   | 61.1 | 61.1 |                                            |
| 2021-08-03 00:45:00 | Time GE Received                       |      |      | 01:42:22                                   |
| 2021-08-03 00:45:00 | Time Of Report                         |      |      | 00:45:00                                   |
| 2021-08-03 00:45:00 | Total Air Temperature Aircraft         |      |      | -1.8                                       |
| 2021-08-03 00:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-03 00:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-03 00:45:00 | Vibration N1 #1 Bearing                | 0.14 | 0.13 |                                            |
| 2021-08-03 00:45:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 64   |                                            |
| 2021-08-03 00:45:00 | Vibration N1 Phase Angle Turbine Frame | 109  | 73   |                                            |
| 2021-08-03 00:45:00 | Vibration N1 Turbine Frame             | 0.45 | 0.3  |                                            |
| 2021-08-03 00:45:00 | Vibration N2 #1 Bearing                | 0.05 | 0.11 |                                            |
| 2021-08-03 00:45:00 | Vibration N2 Turbine Frame             | 0.09 | 0.1  |                                            |
| 2021-08-02 08:45:00 | (1)                                    |      | 56.6 | 21                                         |
| 2021-08-02 08:45:00 | (1)                                    |      |      | 890                                        |
| 2021-08-02 08:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-02 08:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-02 08:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-02 08:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-02 08:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-02 08:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-02 08:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-02 08:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-02 08:45:00 | Air Speed Indicated                    |      |      | 253.9                                      |
| 2021-08-02 08:45:00 | Aircraft Gross Weight                  |      |      | 55537                                      |
| 2021-08-02 08:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-02 08:45:00 | Altitude                               |      |      | 25601                                      |
| 2021-08-02 08:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-02 08:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-02 08:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-02 08:45:00 | Core Speed                             | 91.6 | 91.4 |                                            |
| 2021-08-02 08:45:00 | Date GE Received                       |      |      | 08/02/2021                                 |
| 2021-08-02 08:45:00 | Date of Report                         |      |      | 08/02/2021                                 |
| 2021-08-02 08:45:00 | Departure Station                      |      |      | ZGN                                        |
| 2021-08-02 08:45:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-02 08:45:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-02 08:45:00 | EGT Exhaust Gas Temperature            | 589  | 597  |                                            |
| 2021-08-02 08:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-02 08:45:00 | Flight Counter                         |      |      | 340                                        |
| 2021-08-02 08:45:00 | Flight Number ACARS                    |      |      | 5890                                       |
| 2021-08-02 08:45:00 | Flight Number ACMS                     |      |      | 5890                                       |
| 2021-08-02 08:45:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-08-02 08:45:00 | Fuel Flow                              | 1055 | 1063 |                                            |
| 2021-08-02 08:45:00 | Ground Speed                           |      |      | 375.6                                      |
| 2021-08-02 08:45:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-02 08:45:00 | Leg                                    |      |      | 1                                          |
| 2021-08-02 08:45:00 | Mach Number                            |      |      | 0.621                                      |
| 2021-08-02 08:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-02 08:45:00 | N1 Indicated Fan Speed                 | 78.4 | 78.4 |                                            |
| 2021-08-02 08:45:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-08-02 08:45:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-08-02 08:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-02 08:45:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-02 08:45:00 | Temperature Static Air                 |      |      | -16.5                                      |
| 2021-08-02 08:45:00 | Throttle Lever Angle                   | 56.6 | 56.6 |                                            |
| 2021-08-02 08:45:00 | Time GE Received                       |      |      | 09:17:46                                   |
| 2021-08-02 08:45:00 | Time Of Report                         |      |      | 08:45:00                                   |
| 2021-08-02 08:45:00 | Total Air Temperature Aircraft         |      |      | 3.3                                        |
| 2021-08-02 08:45:00 | Unknown parameter/formatting character |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-02 08:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-02 08:45:00 | Vibration N1 #1 Bearing                | 0.12 | 0.1  |                                            |
| 2021-08-02 08:45:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 48   |                                            |
| 2021-08-02 08:45:00 | Vibration N1 Phase Angle Turbine Frame | 67   | 45   |                                            |
| 2021-08-02 08:45:00 | Vibration N1 Turbine Frame             | 0.4  | 0.23 |                                            |
| 2021-08-02 08:45:00 | Vibration N2 #1 Bearing                | 0.04 | 0.1  |                                            |
| 2021-08-02 08:45:00 | Vibration N2 Turbine Frame             | 0.04 | 0.12 |                                            |
| 2021-08-02 06:06:00 | (1)                                    |      | 56.6 | 21                                         |
| 2021-08-02 06:06:00 | (1)                                    |      |      | 889                                        |
| 2021-08-02 06:06:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-02 06:06:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-02 06:06:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-02 06:06:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-02 06:06:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-02 06:06:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-02 06:06:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-02 06:06:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-02 06:06:00 | Air Speed Indicated                    |      |      | 257                                        |
| 2021-08-02 06:06:00 | Aircraft Gross Weight                  |      |      | 58295                                      |
| 2021-08-02 06:06:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-02 06:06:00 | Altitude                               |      |      | 24608                                      |
| 2021-08-02 06:06:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-02 06:06:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-02 06:06:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-02 06:06:00 | Core Speed                             | 91.6 | 91.4 |                                            |
| 2021-08-02 06:06:00 | Date GE Received                       |      |      | 08/02/2021                                 |
| 2021-08-02 06:06:00 | Date of Report                         |      |      | 08/02/2021                                 |
| 2021-08-02 06:06:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-02 06:06:00 | Destination Station                    |      |      | ZGN                                        |
| 2021-08-02 06:06:00 | Downlink Ground Station                |      |      | NNG                                        |
| 2021-08-02 06:06:00 | EGT Exhaust Gas Temperature            | 589  | 598  |                                            |
| 2021-08-02 06:06:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-02 06:06:00 | Flight Counter                         |      |      | 2064                                       |
| 2021-08-02 06:06:00 | Flight Number ACARS                    |      |      | 5889                                       |
| 2021-08-02 06:06:00 | Flight Number ACMS                     |      |      | 5889                                       |
| 2021-08-02 06:06:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-02 06:06:00 | Fuel Flow                              | 1105 | 1118 |                                            |
| 2021-08-02 06:06:00 | Ground Speed                           |      |      | 384                                        |
| 2021-08-02 06:06:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-02 06:06:00 | Leg                                    |      |      | 1                                          |
| 2021-08-02 06:06:00 | Mach Number                            |      |      | 0.615                                      |
| 2021-08-02 06:06:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-02 06:06:00 | N1 Indicated Fan Speed                 | 78.6 | 78.5 |                                            |
| 2021-08-02 06:06:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-08-02 06:06:00 | Oil Temperature                        | 108  | 107  |                                            |
| 2021-08-02 06:06:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-02 06:06:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-02 06:06:00 | Temperature Static Air                 |      |      | -16.8                                      |
| 2021-08-02 06:06:00 | Throttle Lever Angle                   | 56.6 | 56.6 |                                            |
| 2021-08-02 06:06:00 | Time GE Received                       |      |      | 06:40:45                                   |
| 2021-08-02 06:06:00 | Time Of Report                         |      |      | 06:06:00                                   |
| 2021-08-02 06:06:00 | Total Air Temperature Aircraft         |      |      | 2.5                                        |
| 2021-08-02 06:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-02 06:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-02 06:06:00 | Vibration N1 #1 Bearing                | 0.11 | 0.08 |                                            |
| 2021-08-02 06:06:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 50   |                                            |
| 2021-08-02 06:06:00 | Vibration N1 Phase Angle Turbine Frame | 78   | 40   |                                            |
| 2021-08-02 06:06:00 | Vibration N1 Turbine Frame             | 0.32 | 0.16 |                                            |
| 2021-08-02 06:06:00 | Vibration N2 #1 Bearing                | 0.06 | 0.07 |                                            |
| 2021-08-02 06:06:00 | Vibration N2 Turbine Frame             | 0.03 | 0.09 |                                            |
| 2021-08-02 01:10:00 | (1)                                    |      | 61.2 | 21                                         |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-02 01:10:00 | (1)                                    |      |      | 754                                        |
| 2021-08-02 01:10:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-02 01:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-02 01:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-02 01:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-02 01:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-02 01:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-02 01:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-02 01:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-02 01:10:00 | Air Speed Indicated                    |      |      | 262.8                                      |
| 2021-08-02 01:10:00 | Aircraft Gross Weight                  |      |      | 59039                                      |
| 2021-08-02 01:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-02 01:10:00 | Altitude                               |      |      | 34100                                      |
| 2021-08-02 01:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-02 01:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-02 01:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-02 01:10:00 | Core Speed                             | 93.1 | 92.8 |                                            |
| 2021-08-02 01:10:00 | Date GE Received                       |      |      | 08/02/2021                                 |
| 2021-08-02 01:10:00 | Date of Report                         |      |      | 08/02/2021                                 |
| 2021-08-02 01:10:00 | Departure Station                      |      |      | ZBH                                        |
| 2021-08-02 01:10:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-02 01:10:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-02 01:10:00 | EGT Exhaust Gas Temperature            | 646  | 653  |                                            |
| 2021-08-02 01:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-02 01:10:00 | Flight Counter                         |      |      | 1719                                       |
| 2021-08-02 01:10:00 | Flight Number ACARS                    |      |      | 5754                                       |
| 2021-08-02 01:10:00 | Flight Number ACMS                     |      |      | 5754                                       |
| 2021-08-02 01:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-02 01:10:00 | Fuel Flow                              | 1173 | 1164 |                                            |
| 2021-08-02 01:10:00 | Ground Speed                           |      |      | 474.6                                      |
| 2021-08-02 01:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-02 01:10:00 | Leg                                    |      |      | 1                                          |
| 2021-08-02 01:10:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-08-02 01:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-02 01:10:00 | N1 Indicated Fan Speed                 | 87.1 | 87.1 |                                            |
| 2021-08-02 01:10:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-02 01:10:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-08-02 01:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-02 01:10:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-02 01:10:00 | Temperature Static Air                 |      |      | -40.3                                      |
| 2021-08-02 01:10:00 | Throttle Lever Angle                   | 61.2 | 61.2 |                                            |
| 2021-08-02 01:10:00 | Time GE Received                       |      |      | 03:12:23                                   |
| 2021-08-02 01:10:00 | Time Of Report                         |      |      | 01:10:00                                   |
| 2021-08-02 01:10:00 | Total Air Temperature Aircraft         |      |      | -13.2                                      |
| 2021-08-02 01:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-02 01:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-02 01:10:00 | Vibration N1 #1 Bearing                | 0.19 | 0.07 |                                            |
| 2021-08-02 01:10:00 | Vibration N1 Phase Angle #1 Bearing    | 144  | 112  |                                            |
| 2021-08-02 01:10:00 | Vibration N1 Phase Angle Turbine Frame | 101  | 53   |                                            |
| 2021-08-02 01:10:00 | Vibration N1 Turbine Frame             | 0.48 | 0.28 |                                            |
| 2021-08-02 01:10:00 | Vibration N2 #1 Bearing                | 0.05 | 0.09 |                                            |
| 2021-08-02 01:10:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-08-01 13:12:00 | (1)                                    |      |      | 21                                         |
| 2021-08-01 13:12:00 | (1)                                    |      |      | 753                                        |
| 2021-08-01 13:12:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-01 13:12:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-01 13:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-01 13:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-01 13:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-01 13:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-01 13:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-01 13:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-01 13:12:00 | Air Speed Indicated                    |      |      | 255.6                                      |
| 2021-08-01 13:12:00 | Aircraft Gross Weight                  |      |      | 63194                                      |
| 2021-08-01 13:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-01 13:12:00 | Altitude                               |      |      | 35099                                      |
| 2021-08-01 13:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-01 13:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-01 13:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-01 13:12:00 | Core Speed                             | 94   | 93.8 |                                            |
| 2021-08-01 13:12:00 | Date GE Received                       |      |      | 08/01/2021                                 |
| 2021-08-01 13:12:00 | Date of Report                         |      |      | 08/01/2021                                 |
| 2021-08-01 13:12:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-01 13:12:00 | Destination Station                    |      |      | ZBH                                        |
| 2021-08-01 13:12:00 | Downlink Ground Station                |      |      | HET                                        |
| 2021-08-01 13:12:00 | EGT Exhaust Gas Temperature            | 664  | 671  |                                            |
| 2021-08-01 13:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-01 13:12:00 | Flight Counter                         |      |      | 1796                                       |
| 2021-08-01 13:12:00 | Flight Number ACARS                    |      |      | 5753                                       |
| 2021-08-01 13:12:00 | Flight Number ACMS                     |      |      | 5753                                       |
| 2021-08-01 13:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-01 13:12:00 | Fuel Flow                              | 1163 | 1161 |                                            |
| 2021-08-01 13:12:00 | Ground Speed                           |      |      | 443.5                                      |
| 2021-08-01 13:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-01 13:12:00 | Leg                                    |      |      | 1                                          |
| 2021-08-01 13:12:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-08-01 13:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-01 13:12:00 | N1 Indicated Fan Speed                 | 88.3 | 88.4 |                                            |
| 2021-08-01 13:12:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-01 13:12:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-08-01 13:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-01 13:12:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-01 13:12:00 | Temperature Static Air                 |      |      | -37.5                                      |
| 2021-08-01 13:12:00 | Throttle Lever Angle                   | 62.4 | 62.5 |                                            |
| 2021-08-01 13:12:00 | Time GE Received                       |      |      | 15:20:18                                   |
| 2021-08-01 13:12:00 | Time Of Report                         |      |      | 13:12:00                                   |
| 2021-08-01 13:12:00 | Total Air Temperature Aircraft         |      |      | -10.5                                      |
| 2021-08-01 13:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-01 13:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-01 13:12:00 | Vibration N1 #1 Bearing                | 0.23 | 0.06 |                                            |
| 2021-08-01 13:12:00 | Vibration N1 Phase Angle #1 Bearing    | 138  | 72   |                                            |
| 2021-08-01 13:12:00 | Vibration N1 Phase Angle Turbine Frame | 116  | 77   |                                            |
| 2021-08-01 13:12:00 | Vibration N1 Turbine Frame             | 0.35 | 0.25 |                                            |
| 2021-08-01 13:12:00 | Vibration N2 #1 Bearing                | 0.04 | 0.12 |                                            |
| 2021-08-01 13:12:00 | Vibration N2 Turbine Frame             | 0.05 | 0.1  |                                            |
| 2021-08-01 08:42:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-08-01 08:42:00 | (1)                                    |      |      | 806                                        |
| 2021-08-01 08:42:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-01 08:42:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-01 08:42:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-01 08:42:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-01 08:42:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-01 08:42:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-01 08:42:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-01 08:42:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-01 08:42:00 | Air Speed Indicated                    |      |      | 289.9                                      |
| 2021-08-01 08:42:00 | Aircraft Gross Weight                  |      |      | 60491                                      |
| 2021-08-01 08:42:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-01 08:42:00 | Altitude                               |      |      | 30111                                      |
| 2021-08-01 08:42:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-01 08:42:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-01 08:42:00 | Carrier code (two character)           |      |      | MU                                         |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-01 08:42:00 | Core Speed                             | 94.9 | 94.9 |                                            |
| 2021-08-01 08:42:00 | Date GE Received                       |      |      | 08/01/2021                                 |
| 2021-08-01 08:42:00 | Date of Report                         |      |      | 08/01/2021                                 |
| 2021-08-01 08:42:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-08-01 08:42:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-08-01 08:42:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-08-01 08:42:00 | EGT Exhaust Gas Temperature            | 666  | 666  |                                            |
| 2021-08-01 08:42:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-08-01 08:42:00 | Flight Counter                         |      |      | 1850                                       |
| 2021-08-01 08:42:00 | Flight Number ACARS                    |      |      | 5806                                       |
| 2021-08-01 08:42:00 | Flight Number ACMS                     |      |      | 5806                                       |
| 2021-08-01 08:42:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-01 08:42:00 | Fuel Flow                              | 1369 | 1347 |                                            |
| 2021-08-01 08:42:00 | Ground Speed                           |      |      | 434                                        |
| 2021-08-01 08:42:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-01 08:42:00 | Leg                                    |      |      | 1                                          |
| 2021-08-01 08:42:00 | Mach Number                            |      |      | 0.768                                      |
| 2021-08-01 08:42:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-01 08:42:00 | N1 Indicated Fan Speed                 | 87.9 | 88   |                                            |
| 2021-08-01 08:42:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-08-01 08:42:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-08-01 08:42:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-01 08:42:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-01 08:42:00 | Temperature Static Air                 |      |      | -27.5                                      |
| 2021-08-01 08:42:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-08-01 08:42:00 | Time GE Received                       |      |      | 10:32:17                                   |
| 2021-08-01 08:42:00 | Time Of Report                         |      |      | 08:42:00                                   |
| 2021-08-01 08:42:00 | Total Air Temperature Aircraft         |      |      | 1.5                                        |
| 2021-08-01 08:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-01 08:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-01 08:42:00 | Vibration N1 #1 Bearing                | 0.27 | 0.25 |                                            |
| 2021-08-01 08:42:00 | Vibration N1 Phase Angle #1 Bearing    | 109  | 78   |                                            |
| 2021-08-01 08:42:00 | Vibration N1 Phase Angle Turbine Frame | 128  | 105  |                                            |
| 2021-08-01 08:42:00 | Vibration N1 Turbine Frame             | 0.51 | 0.37 |                                            |
| 2021-08-01 08:42:00 | Vibration N2 #1 Bearing                | 0.04 | 0.25 |                                            |
| 2021-08-01 08:42:00 | Vibration N2 Turbine Frame             | 0.07 | 0.06 |                                            |
| 2021-08-01 04:25:00 | (1)                                    |      |      | 21                                         |
| 2021-08-01 04:25:00 | (1)                                    |      |      | 805                                        |
| 2021-08-01 04:25:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-08-01 04:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-08-01 04:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-08-01 04:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-08-01 04:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-08-01 04:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-08-01 04:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-08-01 04:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-08-01 04:25:00 | Air Speed Indicated                    |      |      | 259.4                                      |
| 2021-08-01 04:25:00 | Aircraft Gross Weight                  |      |      | 64119                                      |
| 2021-08-01 04:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-08-01 04:25:00 | Altitude                               |      |      | 35101                                      |
| 2021-08-01 04:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-08-01 04:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-08-01 04:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-08-01 04:25:00 | Core Speed                             | 94   | 93.8 |                                            |
| 2021-08-01 04:25:00 | Date GE Received                       |      |      | 08/01/2021                                 |
| 2021-08-01 04:25:00 | Date of Report                         |      |      | 08/01/2021                                 |
| 2021-08-01 04:25:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-08-01 04:25:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-08-01 04:25:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-08-01 04:25:00 | EGT Exhaust Gas Temperature            | 668  | 672  |                                            |
| 2021-08-01 04:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-08-01 04:25:00 | Flight Counter                         |      |      | 2097                                       |
| 2021-08-01 04:25:00 | Flight Number ACARS                    |      |      | 5805                                       |
| 2021-08-01 04:25:00 | Flight Number ACMS                     |      |      | 5805                                       |
| 2021-08-01 04:25:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-08-01 04:25:00 | Fuel Flow                              | 1196 | 1185 |                                            |
| 2021-08-01 04:25:00 | Ground Speed                           |      |      | 472.6                                      |
| 2021-08-01 04:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-08-01 04:25:00 | Leg                                    |      |      | 1                                          |
| 2021-08-01 04:25:00 | Mach Number                            |      |      | 0.769                                      |
| 2021-08-01 04:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-08-01 04:25:00 | N1 Indicated Fan Speed                 | 88.8 | 88.7 |                                            |
| 2021-08-01 04:25:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-08-01 04:25:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-08-01 04:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-08-01 04:25:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-08-01 04:25:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-08-01 04:25:00 | Throttle Lever Angle                   | 62.6 | 62.5 |                                            |
| 2021-08-01 04:25:00 | Time GE Received                       |      |      | 06:13:20                                   |
| 2021-08-01 04:25:00 | Time Of Report                         |      |      | 04:25:00                                   |
| 2021-08-01 04:25:00 | Total Air Temperature Aircraft         |      |      | -10.7                                      |
| 2021-08-01 04:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-01 04:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-08-01 04:25:00 | Vibration N1 #1 Bearing                | 0.26 | 0.1  |                                            |
| 2021-08-01 04:25:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 76   |                                            |
| 2021-08-01 04:25:00 | Vibration N1 Phase Angle Turbine Frame | 117  | 92   |                                            |
| 2021-08-01 04:25:00 | Vibration N1 Turbine Frame             | 0.48 | 0.33 |                                            |
| 2021-08-01 04:25:00 | Vibration N2 #1 Bearing                | 0.05 | 0.11 |                                            |
| 2021-08-01 04:25:00 | Vibration N2 Turbine Frame             | 0.1  | 0.08 |                                            |
| 2021-07-31 14:20:00 | (1)                                    |      |      | 21                                         |
| 2021-07-31 14:20:00 | (1)                                    |      |      | 264                                        |
| 2021-07-31 14:20:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-31 14:20:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-31 14:20:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-31 14:20:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-31 14:20:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-31 14:20:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-31 14:20:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-31 14:20:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-31 14:20:00 | Air Speed Indicated                    |      |      | 283.6                                      |
| 2021-07-31 14:20:00 | Aircraft Gross Weight                  |      |      | 65063                                      |
| 2021-07-31 14:20:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-31 14:20:00 | Altitude                               |      |      | 30099                                      |
| 2021-07-31 14:20:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-31 14:20:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-31 14:20:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-31 14:20:00 | Core Speed                             | 94.2 | 94.2 |                                            |
| 2021-07-31 14:20:00 | Date GE Received                       |      |      | 07/31/2021                                 |
| 2021-07-31 14:20:00 | Date of Report                         |      |      | 07/31/2021                                 |
| 2021-07-31 14:20:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-31 14:20:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-31 14:20:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-31 14:20:00 | EGT Exhaust Gas Temperature            | 653  | 653  |                                            |
| 2021-07-31 14:20:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-31 14:20:00 | Flight Counter                         |      |      | 509                                        |
| 2021-07-31 14:20:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-31 14:20:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-31 14:20:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-31 14:20:00 | Fuel Flow                              | 1303 | 1288 |                                            |
| 2021-07-31 14:20:00 | Ground Speed                           |      |      | 466.8                                      |
| 2021-07-31 14:20:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-31 14:20:00 | Leg                                    |      |      | 2                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-31 14:20:00 | Mach Number                            |      |      | 0.752                                      |
| 2021-07-31 14:20:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-31 14:20:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-07-31 14:20:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-31 14:20:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-31 14:20:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-31 14:20:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-31 14:20:00 | Temperature Static Air                 |      |      | -29                                        |
| 2021-07-31 14:20:00 | Throttle Lever Angle                   | 61.7 | 61.7 |                                            |
| 2021-07-31 14:20:00 | Time GE Received                       |      |      | 15:05:39                                   |
| 2021-07-31 14:20:00 | Time Of Report                         |      |      | 14:20:00                                   |
| 2021-07-31 14:20:00 | Total Air Temperature Aircraft         |      |      | -1.5                                       |
| 2021-07-31 14:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 14:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 14:20:00 | Vibration N1 #1 Bearing                | 0.14 | 0.13 |                                            |
| 2021-07-31 14:20:00 | Vibration N1 Phase Angle #1 Bearing    | 160  | 70   |                                            |
| 2021-07-31 14:20:00 | Vibration N1 Phase Angle Turbine Frame | 105  | 83   |                                            |
| 2021-07-31 14:20:00 | Vibration N1 Turbine Frame             | 0.47 | 0.26 |                                            |
| 2021-07-31 14:20:00 | Vibration N2 #1 Bearing                | 0.03 | 0.1  |                                            |
| 2021-07-31 14:20:00 | Vibration N2 Turbine Frame             | 0.06 | 0.06 |                                            |
| 2021-07-31 09:51:00 | (1)                                    |      |      | 21                                         |
| 2021-07-31 09:51:00 | (1)                                    |      |      | 264                                        |
| 2021-07-31 09:51:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-31 09:51:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-31 09:51:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-31 09:51:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-31 09:51:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-31 09:51:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-31 09:51:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-31 09:51:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-31 09:51:00 | Air Speed Indicated                    |      |      | 276.1                                      |
| 2021-07-31 09:51:00 | Aircraft Gross Weight                  |      |      | 63031                                      |
| 2021-07-31 09:51:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-31 09:51:00 | Altitude                               |      |      | 32098                                      |
| 2021-07-31 09:51:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-31 09:51:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-31 09:51:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-31 09:51:00 | Core Speed                             | 94.2 | 94.2 |                                            |
| 2021-07-31 09:51:00 | Date GE Received                       |      |      | 07/31/2021                                 |
| 2021-07-31 09:51:00 | Date of Report                         |      |      | 07/31/2021                                 |
| 2021-07-31 09:51:00 | Departure Station                      |      |      | ZYT                                        |
| 2021-07-31 09:51:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-31 09:51:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-31 09:51:00 | EGT Exhaust Gas Temperature            | 658  | 660  |                                            |
| 2021-07-31 09:51:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-31 09:51:00 | Flight Counter                         |      |      | 577                                        |
| 2021-07-31 09:51:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-31 09:51:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-31 09:51:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-31 09:51:00 | Fuel Flow                              | 1280 | 1255 |                                            |
| 2021-07-31 09:51:00 | Ground Speed                           |      |      | 458.1                                      |
| 2021-07-31 09:51:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-31 09:51:00 | Leg                                    |      |      | 1                                          |
| 2021-07-31 09:51:00 | Mach Number                            |      |      | 0.765                                      |
| 2021-07-31 09:51:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-31 09:51:00 | N1 Indicated Fan Speed                 | 87.9 | 87.8 |                                            |
| 2021-07-31 09:51:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-31 09:51:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-31 09:51:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-31 09:51:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-31 09:51:00 | Temperature Static Air                 |      |      | -33.8                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-31 09:51:00 | Throttle Lever Angle                   | 62.2 | 62.1 |                                            |
| 2021-07-31 09:51:00 | Time GE Received                       |      |      | 11:44:29                                   |
| 2021-07-31 09:51:00 | Time Of Report                         |      |      | 09:51:00                                   |
| 2021-07-31 09:51:00 | Total Air Temperature Aircraft         |      |      | -5.8                                       |
| 2021-07-31 09:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 09:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 09:51:00 | Vibration N1 #1 Bearing                | 0.18 | 0.2  |                                            |
| 2021-07-31 09:51:00 | Vibration N1 Phase Angle #1 Bearing    | 135  | 77   |                                            |
| 2021-07-31 09:51:00 | Vibration N1 Phase Angle Turbine Frame | 111  | 100  |                                            |
| 2021-07-31 09:51:00 | Vibration N1 Turbine Frame             | 0.48 | 0.35 |                                            |
| 2021-07-31 09:51:00 | Vibration N2 #1 Bearing                | 0.03 | 0.12 |                                            |
| 2021-07-31 09:51:00 | Vibration N2 Turbine Frame             | 0.05 | 0.06 |                                            |
| 2021-07-31 06:13:00 | (1)                                    |      | 61.3 | 21                                         |
| 2021-07-31 06:13:00 | (1)                                    |      |      | 263                                        |
| 2021-07-31 06:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-31 06:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-31 06:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-31 06:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-31 06:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-31 06:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-31 06:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-31 06:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-31 06:13:00 | Air Speed Indicated                    |      |      | 267.1                                      |
| 2021-07-31 06:13:00 | Aircraft Gross Weight                  |      |      | 65825                                      |
| 2021-07-31 06:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-31 06:13:00 | Altitude                               |      |      | 33100                                      |
| 2021-07-31 06:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-31 06:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-31 06:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-31 06:13:00 | Core Speed                             | 92.9 | 92.7 |                                            |
| 2021-07-31 06:13:00 | Date GE Received                       |      |      | 07/31/2021                                 |
| 2021-07-31 06:13:00 | Date of Report                         |      |      | 07/31/2021                                 |
| 2021-07-31 06:13:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-31 06:13:00 | Destination Station                    |      |      | ZYT                                        |
| 2021-07-31 06:13:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-07-31 06:13:00 | EGT Exhaust Gas Temperature            | 642  | 646  |                                            |
| 2021-07-31 06:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-31 06:13:00 | Flight Counter                         |      |      | 1397                                       |
| 2021-07-31 06:13:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-31 06:13:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-31 06:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-31 06:13:00 | Fuel Flow                              | 1235 | 1236 |                                            |
| 2021-07-31 06:13:00 | Ground Speed                           |      |      | 449.2                                      |
| 2021-07-31 06:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-31 06:13:00 | Leg                                    |      |      | 2                                          |
| 2021-07-31 06:13:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-07-31 06:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-31 06:13:00 | N1 Indicated Fan Speed                 | 87.2 | 87.2 |                                            |
| 2021-07-31 06:13:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-31 06:13:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-31 06:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-31 06:13:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-31 06:13:00 | Temperature Static Air                 |      |      | -42.2                                      |
| 2021-07-31 06:13:00 | Throttle Lever Angle                   | 61.3 | 61.3 |                                            |
| 2021-07-31 06:13:00 | Time GE Received                       |      |      | 07:42:22                                   |
| 2021-07-31 06:13:00 | Time Of Report                         |      |      | 06:13:00                                   |
| 2021-07-31 06:13:00 | Total Air Temperature Aircraft         |      |      | -15.8                                      |
| 2021-07-31 06:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 06:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 06:13:00 | Vibration N1 #1 Bearing                | 0.19 | 0.15 |                                            |
| 2021-07-31 06:13:00 | Vibration N1 Phase Angle #1 Bearing    | 140  | 98   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-31 06:13:00 | Vibration N1 Phase Angle Turbine Frame | 110  | 91   |                                            |
| 2021-07-31 06:13:00 | Vibration N1 Turbine Frame             | 0.53 | 0.28 |                                            |
| 2021-07-31 06:13:00 | Vibration N2 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-07-31 06:13:00 | Vibration N2 Turbine Frame             | 0.01 | 0.09 |                                            |
| 2021-07-31 02:27:00 | (1)                                    |      | 61.6 | 21                                         |
| 2021-07-31 02:27:00 | (1)                                    |      |      | 263                                        |
| 2021-07-31 02:27:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-31 02:27:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-31 02:27:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-31 02:27:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-31 02:27:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-31 02:27:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-31 02:27:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-31 02:27:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-31 02:27:00 | Air Speed Indicated                    |      |      | 276.9                                      |
| 2021-07-31 02:27:00 | Aircraft Gross Weight                  |      |      | 59257                                      |
| 2021-07-31 02:27:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-31 02:27:00 | Altitude                               |      |      | 31106                                      |
| 2021-07-31 02:27:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-31 02:27:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-31 02:27:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-31 02:27:00 | Core Speed                             | 93.7 | 93.2 |                                            |
| 2021-07-31 02:27:00 | Date GE Received                       |      |      | 07/31/2021                                 |
| 2021-07-31 02:27:00 | Date of Report                         |      |      | 07/31/2021                                 |
| 2021-07-31 02:27:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-31 02:27:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-31 02:27:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-31 02:27:00 | EGT Exhaust Gas Temperature            | 653  | 668  |                                            |
| 2021-07-31 02:27:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-31 02:27:00 | Flight Counter                         |      |      | 2110                                       |
| 2021-07-31 02:27:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-31 02:27:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-31 02:27:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-31 02:27:00 | Fuel Flow                              | 1220 | 1231 |                                            |
| 2021-07-31 02:27:00 | Ground Speed                           |      |      | 469.1                                      |
| 2021-07-31 02:27:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-31 02:27:00 | Leg                                    |      |      | 1                                          |
| 2021-07-31 02:27:00 | Mach Number                            |      |      | 0.751                                      |
| 2021-07-31 02:27:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-31 02:27:00 | N1 Indicated Fan Speed                 | 85.8 | 85.9 |                                            |
| 2021-07-31 02:27:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-31 02:27:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-07-31 02:27:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-31 02:27:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-31 02:27:00 | Temperature Static Air                 |      |      | -29.5                                      |
| 2021-07-31 02:27:00 | Throttle Lever Angle                   | 61.6 | 61.6 |                                            |
| 2021-07-31 02:27:00 | Time GE Received                       |      |      | 03:13:21                                   |
| 2021-07-31 02:27:00 | Time Of Report                         |      |      | 02:27:00                                   |
| 2021-07-31 02:27:00 | Total Air Temperature Aircraft         |      |      | -2                                         |
| 2021-07-31 02:27:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 02:27:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-31 02:27:00 | Vibration N1 #1 Bearing                | 0.12 | 0.05 |                                            |
| 2021-07-31 02:27:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 39   |                                            |
| 2021-07-31 02:27:00 | Vibration N1 Phase Angle Turbine Frame | 106  | 61   |                                            |
| 2021-07-31 02:27:00 | Vibration N1 Turbine Frame             | 0.43 | 0.2  |                                            |
| 2021-07-31 02:27:00 | Vibration N2 #1 Bearing                | 0.04 | 0.1  |                                            |
| 2021-07-31 02:27:00 | Vibration N2 Turbine Frame             | 0.07 | 0.08 |                                            |
| 2021-07-30 16:02:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-07-30 16:02:00 | (1)                                    |      |      | 722                                        |
| 2021-07-30 16:02:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-30 16:02:00 | A/I valve position Wing                |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-30 16:02:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-30 16:02:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-30 16:02:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-30 16:02:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-30 16:02:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-30 16:02:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-30 16:02:00 | Air Speed Indicated                    |      |      | 283.4                                      |
| 2021-07-30 16:02:00 | Aircraft Gross Weight                  |      |      | 62831                                      |
| 2021-07-30 16:02:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-30 16:02:00 | Altitude                               |      |      | 30100                                      |
| 2021-07-30 16:02:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-30 16:02:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-30 16:02:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-30 16:02:00 | Core Speed                             | 95   | 95   |                                            |
| 2021-07-30 16:02:00 | Date GE Received                       |      |      | 07/30/2021                                 |
| 2021-07-30 16:02:00 | Date of Report                         |      |      | 07/30/2021                                 |
| 2021-07-30 16:02:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-07-30 16:02:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-30 16:02:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-30 16:02:00 | EGT Exhaust Gas Temperature            | 665  | 664  |                                            |
| 2021-07-30 16:02:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-30 16:02:00 | Flight Counter                         |      |      | 1182                                       |
| 2021-07-30 16:02:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-07-30 16:02:00 | Flight Number ACMS                     |      |      | 5722                                       |
| 2021-07-30 16:02:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-30 16:02:00 | Fuel Flow                              | 1328 | 1319 |                                            |
| 2021-07-30 16:02:00 | Ground Speed                           |      |      | 441.4                                      |
| 2021-07-30 16:02:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-30 16:02:00 | Leg                                    |      |      | 1                                          |
| 2021-07-30 16:02:00 | Mach Number                            |      |      | 0.753                                      |
| 2021-07-30 16:02:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-30 16:02:00 | N1 Indicated Fan Speed                 | 87.6 | 87.6 |                                            |
| 2021-07-30 16:02:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-30 16:02:00 | Oil Temperature                        | 114  | 114  |                                            |
| 2021-07-30 16:02:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-30 16:02:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-30 16:02:00 | Temperature Static Air                 |      |      | -25.5                                      |
| 2021-07-30 16:02:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-07-30 16:02:00 | Time GE Received                       |      |      | 17:00:42                                   |
| 2021-07-30 16:02:00 | Time Of Report                         |      |      | 16:02:00                                   |
| 2021-07-30 16:02:00 | Total Air Temperature Aircraft         |      |      | 2.5                                        |
| 2021-07-30 16:02:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 16:02:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 16:02:00 | Vibration N1 #1 Bearing                | 0.27 | 0.18 |                                            |
| 2021-07-30 16:02:00 | Vibration N1 Phase Angle #1 Bearing    | 107  | 77   |                                            |
| 2021-07-30 16:02:00 | Vibration N1 Phase Angle Turbine Frame | 127  | 93   |                                            |
| 2021-07-30 16:02:00 | Vibration N1 Turbine Frame             | 0.51 | 0.37 |                                            |
| 2021-07-30 16:02:00 | Vibration N2 #1 Bearing                | 0.06 | 0.19 |                                            |
| 2021-07-30 16:02:00 | Vibration N2 Turbine Frame             | 0.07 | 0.05 |                                            |
| 2021-07-30 13:21:00 | (1)                                    |      | 60.6 | 21                                         |
| 2021-07-30 13:21:00 | (1)                                    |      |      | 721                                        |
| 2021-07-30 13:21:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-30 13:21:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-30 13:21:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-30 13:21:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-30 13:21:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-30 13:21:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-30 13:21:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-30 13:21:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-30 13:21:00 | Air Speed Indicated                    |      |      | 300.9                                      |
| 2021-07-30 13:21:00 | Aircraft Gross Weight                  |      |      | 56481                                      |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-30 13:21:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-30 13:21:00 | Altitude                               |      |      | 24602                                      |
| 2021-07-30 13:21:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-30 13:21:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-30 13:21:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-30 13:21:00 | Core Speed                             | 94.3 | 94.2 |                                            |
| 2021-07-30 13:21:00 | Date GE Received                       |      |      | 07/30/2021                                 |
| 2021-07-30 13:21:00 | Date of Report                         |      |      | 07/30/2021                                 |
| 2021-07-30 13:21:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-30 13:21:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-07-30 13:21:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-07-30 13:21:00 | EGT Exhaust Gas Temperature            | 637  | 639  |                                            |
| 2021-07-30 13:21:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-30 13:21:00 | Flight Counter                         |      |      | 2874                                       |
| 2021-07-30 13:21:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-07-30 13:21:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-07-30 13:21:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-30 13:21:00 | Fuel Flow                              | 1357 | 1347 |                                            |
| 2021-07-30 13:21:00 | Ground Speed                           |      |      | 460.7                                      |
| 2021-07-30 13:21:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-30 13:21:00 | Leg                                    |      |      | 1                                          |
| 2021-07-30 13:21:00 | Mach Number                            |      |      | 0.713                                      |
| 2021-07-30 13:21:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-30 13:21:00 | N1 Indicated Fan Speed                 | 83.6 | 83.6 |                                            |
| 2021-07-30 13:21:00 | Oil Pressure                           | 49   | 50   |                                            |
| 2021-07-30 13:21:00 | Oil Temperature                        | 106  | 106  |                                            |
| 2021-07-30 13:21:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-30 13:21:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-30 13:21:00 | Temperature Static Air                 |      |      | -14                                        |
| 2021-07-30 13:21:00 | Throttle Lever Angle                   | 60.6 | 60.6 |                                            |
| 2021-07-30 13:21:00 | Time GE Received                       |      |      | 14:00:25                                   |
| 2021-07-30 13:21:00 | Time Of Report                         |      |      | 13:21:00                                   |
| 2021-07-30 13:21:00 | Total Air Temperature Aircraft         |      |      | 12.3                                       |
| 2021-07-30 13:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 13:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 13:21:00 | Vibration N1 #1 Bearing                | 0.13 | 0.11 |                                            |
| 2021-07-30 13:21:00 | Vibration N1 Phase Angle #1 Bearing    | 100  | 65   |                                            |
| 2021-07-30 13:21:00 | Vibration N1 Phase Angle Turbine Frame | 120  | 77   |                                            |
| 2021-07-30 13:21:00 | Vibration N1 Turbine Frame             | 0.29 | 0.2  |                                            |
| 2021-07-30 13:21:00 | Vibration N2 #1 Bearing                | 0.03 | 0.21 |                                            |
| 2021-07-30 13:21:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-07-30 07:25:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-07-30 07:25:00 | (1)                                    |      |      | 734                                        |
| 2021-07-30 07:25:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-30 07:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-30 07:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-30 07:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-30 07:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-30 07:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-30 07:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-30 07:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-30 07:25:00 | Air Speed Indicated                    |      |      | 262.8                                      |
| 2021-07-30 07:25:00 | Aircraft Gross Weight                  |      |      | 65244                                      |
| 2021-07-30 07:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-30 07:25:00 | Altitude                               |      |      | 34102                                      |
| 2021-07-30 07:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-30 07:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-30 07:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-30 07:25:00 | Core Speed                             | 94.2 | 93.8 |                                            |
| 2021-07-30 07:25:00 | Date GE Received                       |      |      | 07/30/2021                                 |
| 2021-07-30 07:25:00 | Date of Report                         |      |      | 07/30/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-30 07:25:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-07-30 07:25:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-30 07:25:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-30 07:25:00 | EGT Exhaust Gas Temperature            | 677  | 690  |                                            |
| 2021-07-30 07:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-30 07:25:00 | Flight Counter                         |      |      | 1661                                       |
| 2021-07-30 07:25:00 | Flight Number ACARS                    |      |      | 5734                                       |
| 2021-07-30 07:25:00 | Flight Number ACMS                     |      |      | 5734                                       |
| 2021-07-30 07:25:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-30 07:25:00 | Fuel Flow                              | 1239 | 1242 |                                            |
| 2021-07-30 07:25:00 | Ground Speed                           |      |      | 459.9                                      |
| 2021-07-30 07:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-30 07:25:00 | Leg                                    |      |      | 1                                          |
| 2021-07-30 07:25:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-07-30 07:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-30 07:25:00 | N1 Indicated Fan Speed                 | 88.7 | 88.6 |                                            |
| 2021-07-30 07:25:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-30 07:25:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-07-30 07:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-30 07:25:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-30 07:25:00 | Temperature Static Air                 |      |      | -36.3                                      |
| 2021-07-30 07:25:00 | Throttle Lever Angle                   | 63.1 | 63.1 |                                            |
| 2021-07-30 07:25:00 | Time GE Received                       |      |      | 08:27:57                                   |
| 2021-07-30 07:25:00 | Time Of Report                         |      |      | 07:25:00                                   |
| 2021-07-30 07:25:00 | Total Air Temperature Aircraft         |      |      | -8.8                                       |
| 2021-07-30 07:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 07:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 07:25:00 | Vibration N1 #1 Bearing                | 0.27 | 0.1  |                                            |
| 2021-07-30 07:25:00 | Vibration N1 Phase Angle #1 Bearing    | 186  | 75   |                                            |
| 2021-07-30 07:25:00 | Vibration N1 Phase Angle Turbine Frame | 110  | 92   |                                            |
| 2021-07-30 07:25:00 | Vibration N1 Turbine Frame             | 0.63 | 0.34 |                                            |
| 2021-07-30 07:25:00 | Vibration N2 #1 Bearing                | 0.03 | 0.12 |                                            |
| 2021-07-30 07:25:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |
| 2021-07-30 03:47:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-07-30 03:47:00 | (1)                                    |      |      | 733                                        |
| 2021-07-30 03:47:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-30 03:47:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-30 03:47:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-30 03:47:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-30 03:47:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-30 03:47:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-30 03:47:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-30 03:47:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-30 03:47:00 | Air Speed Indicated                    |      |      | 287.3                                      |
| 2021-07-30 03:47:00 | Aircraft Gross Weight                  |      |      | 65897                                      |
| 2021-07-30 03:47:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-30 03:47:00 | Altitude                               |      |      | 29103                                      |
| 2021-07-30 03:47:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-30 03:47:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-30 03:47:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-30 03:47:00 | Core Speed                             | 94.8 | 94.8 |                                            |
| 2021-07-30 03:47:00 | Date GE Received                       |      |      | 07/30/2021                                 |
| 2021-07-30 03:47:00 | Date of Report                         |      |      | 07/30/2021                                 |
| 2021-07-30 03:47:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-30 03:47:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-07-30 03:47:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-07-30 03:47:00 | EGT Exhaust Gas Temperature            | 663  | 662  |                                            |
| 2021-07-30 03:47:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-30 03:47:00 | Flight Counter                         |      |      | 2477                                       |
| 2021-07-30 03:47:00 | Flight Number ACARS                    |      |      | 5733                                       |
| 2021-07-30 03:47:00 | Flight Number ACMS                     |      |      | 5733                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-30 03:47:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-30 03:47:00 | Fuel Flow                              | 1334 | 1319 |                                            |
| 2021-07-30 03:47:00 | Ground Speed                           |      |      | 452.6                                      |
| 2021-07-30 03:47:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-30 03:47:00 | Leg                                    |      |      | 1                                          |
| 2021-07-30 03:47:00 | Mach Number                            |      |      | 0.747                                      |
| 2021-07-30 03:47:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-30 03:47:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-07-30 03:47:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-07-30 03:47:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-30 03:47:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-30 03:47:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-30 03:47:00 | Temperature Static Air                 |      |      | -23.5                                      |
| 2021-07-30 03:47:00 | Throttle Lever Angle                   | 62.2 | 62.2 |                                            |
| 2021-07-30 03:47:00 | Time GE Received                       |      |      | 04:40:20                                   |
| 2021-07-30 03:47:00 | Time Of Report                         |      |      | 03:47:00                                   |
| 2021-07-30 03:47:00 | Total Air Temperature Aircraft         |      |      | 4.5                                        |
| 2021-07-30 03:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 03:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-30 03:47:00 | Vibration N1 #1 Bearing                | 0.16 | 0.14 |                                            |
| 2021-07-30 03:47:00 | Vibration N1 Phase Angle #1 Bearing    | 131  | 62   |                                            |
| 2021-07-30 03:47:00 | Vibration N1 Phase Angle Turbine Frame | 110  | 83   |                                            |
| 2021-07-30 03:47:00 | Vibration N1 Turbine Frame             | 0.44 | 0.3  |                                            |
| 2021-07-30 03:47:00 | Vibration N2 #1 Bearing                | 0.06 | 0.18 |                                            |
| 2021-07-30 03:47:00 | Vibration N2 Turbine Frame             | 0.06 | 0.07 |                                            |
| 2021-07-29 15:40:00 | (1)                                    |      | 62   | 21                                         |
| 2021-07-29 15:40:00 | (1)                                    |      |      | 740                                        |
| 2021-07-29 15:40:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-29 15:40:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-29 15:40:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-29 15:40:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-29 15:40:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-29 15:40:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-29 15:40:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-29 15:40:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-29 15:40:00 | Air Speed Indicated                    |      |      | 261.7                                      |
| 2021-07-29 15:40:00 | Aircraft Gross Weight                  |      |      | 64881                                      |
| 2021-07-29 15:40:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-29 15:40:00 | Altitude                               |      |      | 34100                                      |
| 2021-07-29 15:40:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-29 15:40:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-29 15:40:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-29 15:40:00 | Core Speed                             | 93.8 | 93.6 |                                            |
| 2021-07-29 15:40:00 | Date GE Received                       |      |      | 07/29/2021                                 |
| 2021-07-29 15:40:00 | Date of Report                         |      |      | 07/29/2021                                 |
| 2021-07-29 15:40:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-07-29 15:40:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-29 15:40:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-29 15:40:00 | EGT Exhaust Gas Temperature            | 660  | 666  |                                            |
| 2021-07-29 15:40:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-29 15:40:00 | Flight Counter                         |      |      | 2954                                       |
| 2021-07-29 15:40:00 | Flight Number ACARS                    |      |      | 5740                                       |
| 2021-07-29 15:40:00 | Flight Number ACMS                     |      |      | 5740                                       |
| 2021-07-29 15:40:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-29 15:40:00 | Fuel Flow                              | 1173 | 1173 |                                            |
| 2021-07-29 15:40:00 | Ground Speed                           |      |      | 446.1                                      |
| 2021-07-29 15:40:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-29 15:40:00 | Leg                                    |      |      | 1                                          |
| 2021-07-29 15:40:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-07-29 15:40:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-29 15:40:00 | N1 Indicated Fan Speed                 | 87.7 | 87.7 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-29 15:40:00 | Oil Pressure                           | 43   | 45   |                                            |
| 2021-07-29 15:40:00 | Oil Temperature                        | 116  | 115  |                                            |
| 2021-07-29 15:40:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-29 15:40:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-29 15:40:00 | Temperature Static Air                 |      |      | -35.5                                      |
| 2021-07-29 15:40:00 | Throttle Lever Angle                   | 62   | 62   |                                            |
| 2021-07-29 15:40:00 | Time GE Received                       |      |      | 16:45:37                                   |
| 2021-07-29 15:40:00 | Time Of Report                         |      |      | 15:40:00                                   |
| 2021-07-29 15:40:00 | Total Air Temperature Aircraft         |      |      | -8.3                                       |
| 2021-07-29 15:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 15:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 15:40:00 | Vibration N1 #1 Bearing                | 0.2  | 0.1  |                                            |
| 2021-07-29 15:40:00 | Vibration N1 Phase Angle #1 Bearing    | 170  | 76   |                                            |
| 2021-07-29 15:40:00 | Vibration N1 Phase Angle Turbine Frame | 108  | 84   |                                            |
| 2021-07-29 15:40:00 | Vibration N1 Turbine Frame             | 0.46 | 0.27 |                                            |
| 2021-07-29 15:40:00 | Vibration N2 #1 Bearing                | 0.02 | 0.14 |                                            |
| 2021-07-29 15:40:00 | Vibration N2 Turbine Frame             | 0.04 | 0.12 |                                            |
| 2021-07-29 12:36:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-07-29 12:36:00 | (1)                                    |      |      | 739                                        |
| 2021-07-29 12:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-29 12:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-29 12:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-29 12:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-29 12:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-29 12:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-29 12:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-29 12:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-29 12:36:00 | Air Speed Indicated                    |      |      | 256.1                                      |
| 2021-07-29 12:36:00 | Aircraft Gross Weight                  |      |      | 65716                                      |
| 2021-07-29 12:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-29 12:36:00 | Altitude                               |      |      | 35102                                      |
| 2021-07-29 12:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-29 12:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-29 12:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-29 12:36:00 | Core Speed                             | 94.1 | 93.9 |                                            |
| 2021-07-29 12:36:00 | Date GE Received                       |      |      | 07/29/2021                                 |
| 2021-07-29 12:36:00 | Date of Report                         |      |      | 07/29/2021                                 |
| 2021-07-29 12:36:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-29 12:36:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-07-29 12:36:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-07-29 12:36:00 | EGT Exhaust Gas Temperature            | 670  | 678  |                                            |
| 2021-07-29 12:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-29 12:36:00 | Flight Counter                         |      |      | 189                                        |
| 2021-07-29 12:36:00 | Flight Number ACARS                    |      |      | 5739                                       |
| 2021-07-29 12:36:00 | Flight Number ACMS                     |      |      | 5739                                       |
| 2021-07-29 12:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-29 12:36:00 | Fuel Flow                              | 1191 | 1188 |                                            |
| 2021-07-29 12:36:00 | Ground Speed                           |      |      | 455.6                                      |
| 2021-07-29 12:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-29 12:36:00 | Leg                                    |      |      | 1                                          |
| 2021-07-29 12:36:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-07-29 12:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-29 12:36:00 | N1 Indicated Fan Speed                 | 88.8 | 88.9 |                                            |
| 2021-07-29 12:36:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-29 12:36:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-29 12:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-29 12:36:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-29 12:36:00 | Temperature Static Air                 |      |      | -38.3                                      |
| 2021-07-29 12:36:00 | Throttle Lever Angle                   | 62.7 | 62.8 |                                            |
| 2021-07-29 12:36:00 | Time GE Received                       |      |      | 13:30:06                                   |
| 2021-07-29 12:36:00 | Time Of Report                         |      |      | 12:36:00                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-29 12:36:00 | Total Air Temperature Aircraft         |      |      | -11                                        |
| 2021-07-29 12:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 12:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 12:36:00 | Vibration N1 #1 Bearing                | 0.26 | 0.1  |                                            |
| 2021-07-29 12:36:00 | Vibration N1 Phase Angle #1 Bearing    | 168  | 81   |                                            |
| 2021-07-29 12:36:00 | Vibration N1 Phase Angle Turbine Frame | 116  | 88   |                                            |
| 2021-07-29 12:36:00 | Vibration N1 Turbine Frame             | 0.54 | 0.25 |                                            |
| 2021-07-29 12:36:00 | Vibration N2 #1 Bearing                | 0.02 | 0.11 |                                            |
| 2021-07-29 12:36:00 | Vibration N2 Turbine Frame             | 0.04 | 0.08 |                                            |
| 2021-07-29 05:24:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-07-29 05:24:00 | (1)                                    |      |      | 866                                        |
| 2021-07-29 05:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-29 05:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-29 05:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-29 05:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-29 05:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-29 05:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-29 05:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-29 05:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-29 05:24:00 | Air Speed Indicated                    |      |      | 285.7                                      |
| 2021-07-29 05:24:00 | Aircraft Gross Weight                  |      |      | 64954                                      |
| 2021-07-29 05:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-29 05:24:00 | Altitude                               |      |      | 30112                                      |
| 2021-07-29 05:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-29 05:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-29 05:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-29 05:24:00 | Core Speed                             | 94.9 | 94.8 |                                            |
| 2021-07-29 05:24:00 | Date GE Received                       |      |      | 07/29/2021                                 |
| 2021-07-29 05:24:00 | Date of Report                         |      |      | 07/29/2021                                 |
| 2021-07-29 05:24:00 | Departure Station                      |      |      | ZSN                                        |
| 2021-07-29 05:24:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-29 05:24:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-29 05:24:00 | EGT Exhaust Gas Temperature            | 668  | 668  |                                            |
| 2021-07-29 05:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-29 05:24:00 | Flight Counter                         |      |      | 1911                                       |
| 2021-07-29 05:24:00 | Flight Number ACARS                    |      |      | 7866                                       |
| 2021-07-29 05:24:00 | Flight Number ACMS                     |      |      | 7866                                       |
| 2021-07-29 05:24:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-29 05:24:00 | Fuel Flow                              | 1339 | 1315 |                                            |
| 2021-07-29 05:24:00 | Ground Speed                           |      |      | 456.6                                      |
| 2021-07-29 05:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-29 05:24:00 | Leg                                    |      |      | 1                                          |
| 2021-07-29 05:24:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-07-29 05:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-29 05:24:00 | N1 Indicated Fan Speed                 | 87.8 | 87.7 |                                            |
| 2021-07-29 05:24:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-29 05:24:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-29 05:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-29 05:24:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-29 05:24:00 | Temperature Static Air                 |      |      | -25.8                                      |
| 2021-07-29 05:24:00 | Throttle Lever Angle                   | 62.7 | 62.7 |                                            |
| 2021-07-29 05:24:00 | Time GE Received                       |      |      | 07:14:59                                   |
| 2021-07-29 05:24:00 | Time Of Report                         |      |      | 05:24:00                                   |
| 2021-07-29 05:24:00 | Total Air Temperature Aircraft         |      |      | 2.8                                        |
| 2021-07-29 05:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 05:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 05:24:00 | Vibration N1 #1 Bearing                | 0.32 | 0.18 |                                            |
| 2021-07-29 05:24:00 | Vibration N1 Phase Angle #1 Bearing    | 100  | 91   |                                            |
| 2021-07-29 05:24:00 | Vibration N1 Phase Angle Turbine Frame | 122  | 103  |                                            |
| 2021-07-29 05:24:00 | Vibration N1 Turbine Frame             | 0.44 | 0.35 |                                            |
| 2021-07-29 05:24:00 | Vibration N2 #1 Bearing                | 0.07 | 0.21 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-29 05:24:00 | Vibration N2 Turbine Frame             | 0.1  | 0.05 |                                            |
| 2021-07-29 01:10:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-29 01:10:00 | (1)                                    |      |      | 865                                        |
| 2021-07-29 01:10:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-29 01:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-29 01:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-29 01:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-29 01:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-29 01:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-29 01:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-29 01:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-29 01:10:00 | Air Speed Indicated                    |      |      | 278.4                                      |
| 2021-07-29 01:10:00 | Aircraft Gross Weight                  |      |      | 64010                                      |
| 2021-07-29 01:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-29 01:10:00 | Altitude                               |      |      | 31102                                      |
| 2021-07-29 01:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-29 01:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-29 01:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-29 01:10:00 | Core Speed                             | 94.4 | 94.3 |                                            |
| 2021-07-29 01:10:00 | Date GE Received                       |      |      | 07/29/2021                                 |
| 2021-07-29 01:10:00 | Date of Report                         |      |      | 07/29/2021                                 |
| 2021-07-29 01:10:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-29 01:10:00 | Destination Station                    |      |      | ZSN                                        |
| 2021-07-29 01:10:00 | Downlink Ground Station                |      |      | NGB                                        |
| 2021-07-29 01:10:00 | EGT Exhaust Gas Temperature            | 659  | 663  |                                            |
| 2021-07-29 01:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-29 01:10:00 | Flight Counter                         |      |      | 2185                                       |
| 2021-07-29 01:10:00 | Flight Number ACARS                    |      |      | 7865                                       |
| 2021-07-29 01:10:00 | Flight Number ACMS                     |      |      | 7865                                       |
| 2021-07-29 01:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-29 01:10:00 | Fuel Flow                              | 1272 | 1255 |                                            |
| 2021-07-29 01:10:00 | Ground Speed                           |      |      | 468.6                                      |
| 2021-07-29 01:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-29 01:10:00 | Leg                                    |      |      | 1                                          |
| 2021-07-29 01:10:00 | Mach Number                            |      |      | 0.755                                      |
| 2021-07-29 01:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-29 01:10:00 | N1 Indicated Fan Speed                 | 87.1 | 87.1 |                                            |
| 2021-07-29 01:10:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-07-29 01:10:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-07-29 01:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-29 01:10:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-29 01:10:00 | Temperature Static Air                 |      |      | -28.8                                      |
| 2021-07-29 01:10:00 | Throttle Lever Angle                   | 62   | 62.1 |                                            |
| 2021-07-29 01:10:00 | Time GE Received                       |      |      | 03:04:28                                   |
| 2021-07-29 01:10:00 | Time Of Report                         |      |      | 01:10:00                                   |
| 2021-07-29 01:10:00 | Total Air Temperature Aircraft         |      |      | -0.8                                       |
| 2021-07-29 01:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 01:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-29 01:10:00 | Vibration N1 #1 Bearing                | 0.12 | 0.18 |                                            |
| 2021-07-29 01:10:00 | Vibration N1 Phase Angle #1 Bearing    | 157  | 71   |                                            |
| 2021-07-29 01:10:00 | Vibration N1 Phase Angle Turbine Frame | 101  | 95   |                                            |
| 2021-07-29 01:10:00 | Vibration N1 Turbine Frame             | 0.42 | 0.34 |                                            |
| 2021-07-29 01:10:00 | Vibration N2 #1 Bearing                | 0.04 | 0.19 |                                            |
| 2021-07-29 01:10:00 | Vibration N2 Turbine Frame             | 0.06 | 0.1  |                                            |
| 2021-07-28 15:14:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-07-28 15:14:00 | (1)                                    |      |      | 722                                        |
| 2021-07-28 15:14:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-28 15:14:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-28 15:14:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-28 15:14:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-28 15:14:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-28 15:14:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-28 15:14:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-28 15:14:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-28 15:14:00 | Air Speed Indicated                    |      |      | 299.6                                      |
| 2021-07-28 15:14:00 | Aircraft Gross Weight                  |      |      | 67639                                      |
| 2021-07-28 15:14:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-28 15:14:00 | Altitude                               |      |      | 25602                                      |
| 2021-07-28 15:14:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-28 15:14:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-28 15:14:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-28 15:14:00 | Core Speed                             | 94.7 | 94.7 |                                            |
| 2021-07-28 15:14:00 | Date GE Received                       |      |      | 07/28/2021                                 |
| 2021-07-28 15:14:00 | Date of Report                         |      |      | 07/28/2021                                 |
| 2021-07-28 15:14:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-07-28 15:14:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-28 15:14:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-28 15:14:00 | EGT Exhaust Gas Temperature            | 645  | 648  |                                            |
| 2021-07-28 15:14:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-28 15:14:00 | Flight Counter                         |      |      | 2206                                       |
| 2021-07-28 15:14:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-07-28 15:14:00 | Flight Number ACMS                     |      |      | 5722                                       |
| 2021-07-28 15:14:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-28 15:14:00 | Fuel Flow                              | 1395 | 1377 |                                            |
| 2021-07-28 15:14:00 | Ground Speed                           |      |      | 437.9                                      |
| 2021-07-28 15:14:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-28 15:14:00 | Leg                                    |      |      | 1                                          |
| 2021-07-28 15:14:00 | Mach Number                            |      |      | 0.725                                      |
| 2021-07-28 15:14:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-28 15:14:00 | N1 Indicated Fan Speed                 | 85.1 | 85.1 |                                            |
| 2021-07-28 15:14:00 | Oil Pressure                           | 47   | 50   |                                            |
| 2021-07-28 15:14:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-28 15:14:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-28 15:14:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-28 15:14:00 | Temperature Static Air                 |      |      | -16.8                                      |
| 2021-07-28 15:14:00 | Throttle Lever Angle                   | 61.4 | 61.4 |                                            |
| 2021-07-28 15:14:00 | Time GE Received                       |      |      | 16:23:34                                   |
| 2021-07-28 15:14:00 | Time Of Report                         |      |      | 15:14:00                                   |
| 2021-07-28 15:14:00 | Total Air Temperature Aircraft         |      |      | 10.2                                       |
| 2021-07-28 15:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 15:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 15:14:00 | Vibration N1 #1 Bearing                | 0.16 | 0.16 |                                            |
| 2021-07-28 15:14:00 | Vibration N1 Phase Angle #1 Bearing    | 131  | 82   |                                            |
| 2021-07-28 15:14:00 | Vibration N1 Phase Angle Turbine Frame | 105  | 84   |                                            |
| 2021-07-28 15:14:00 | Vibration N1 Turbine Frame             | 0.4  | 0.28 |                                            |
| 2021-07-28 15:14:00 | Vibration N2 #1 Bearing                | 0.05 | 0.16 |                                            |
| 2021-07-28 15:14:00 | Vibration N2 Turbine Frame             | 0.07 | 0.06 |                                            |
| 2021-07-28 11:52:00 | (1)                                    |      |      | 58.9                                       |
| 2021-07-28 11:52:00 | (1)                                    |      |      | 21                                         |
| 2021-07-28 11:52:00 | A/I Valve Position Nacelle             | 0    | 0    | 721                                        |
| 2021-07-28 11:52:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-28 11:52:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-28 11:52:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-28 11:52:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-28 11:52:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-28 11:52:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-28 11:52:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-28 11:52:00 | Air Speed Indicated                    |      |      | 281.3                                      |
| 2021-07-28 11:52:00 | Aircraft Gross Weight                  |      |      | 62994                                      |
| 2021-07-28 11:52:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-28 11:52:00 | Altitude                               |      |      | 22598                                      |
| 2021-07-28 11:52:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-28 11:52:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-28 11:52:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-28 11:52:00 | Core Speed                             | 93.1 | 93   |                                            |
| 2021-07-28 11:52:00 | Date GE Received                       |      |      | 07/28/2021                                 |
| 2021-07-28 11:52:00 | Date of Report                         |      |      | 07/28/2021                                 |
| 2021-07-28 11:52:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-28 11:52:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-07-28 11:52:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-07-28 11:52:00 | EGT Exhaust Gas Temperature            | 627  | 628  |                                            |
| 2021-07-28 11:52:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-28 11:52:00 | Flight Counter                         |      |      | 3273                                       |
| 2021-07-28 11:52:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-07-28 11:52:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-07-28 11:52:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-28 11:52:00 | Fuel Flow                              | 1298 | 1281 |                                            |
| 2021-07-28 11:52:00 | Ground Speed                           |      |      | 409                                        |
| 2021-07-28 11:52:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-28 11:52:00 | Leg                                    |      |      | 1                                          |
| 2021-07-28 11:52:00 | Mach Number                            |      |      | 0.644                                      |
| 2021-07-28 11:52:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-28 11:52:00 | N1 Indicated Fan Speed                 | 81   | 80.9 |                                            |
| 2021-07-28 11:52:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-07-28 11:52:00 | Oil Temperature                        | 106  | 106  |                                            |
| 2021-07-28 11:52:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-28 11:52:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-28 11:52:00 | Temperature Static Air                 |      |      | -9.5                                       |
| 2021-07-28 11:52:00 | Throttle Lever Angle                   | 58.9 | 58.9 |                                            |
| 2021-07-28 11:52:00 | Time GE Received                       |      |      | 13:04:09                                   |
| 2021-07-28 11:52:00 | Time Of Report                         |      |      | 11:52:00                                   |
| 2021-07-28 11:52:00 | Total Air Temperature Aircraft         |      |      | 12.3                                       |
| 2021-07-28 11:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 11:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 11:52:00 | Vibration N1 #1 Bearing                | 0.1  | 0.07 |                                            |
| 2021-07-28 11:52:00 | Vibration N1 Phase Angle #1 Bearing    | 138  | 56   |                                            |
| 2021-07-28 11:52:00 | Vibration N1 Phase Angle Turbine Frame | 69   | 60   |                                            |
| 2021-07-28 11:52:00 | Vibration N1 Turbine Frame             | 0.42 | 0.17 |                                            |
| 2021-07-28 11:52:00 | Vibration N2 #1 Bearing                | 0.01 | 0.12 |                                            |
| 2021-07-28 11:52:00 | Vibration N2 Turbine Frame             | 0.01 | 0.12 |                                            |
| 2021-07-28 06:47:00 | (1)                                    |      | 63.2 | 21                                         |
| 2021-07-28 06:47:00 | (1)                                    |      |      | 702                                        |
| 2021-07-28 06:47:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-28 06:47:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-28 06:47:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-28 06:47:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-28 06:47:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-28 06:47:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-28 06:47:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-28 06:47:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-28 06:47:00 | Air Speed Indicated                    |      |      | 274.3                                      |
| 2021-07-28 06:47:00 | Aircraft Gross Weight                  |      |      | 68383                                      |
| 2021-07-28 06:47:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-28 06:47:00 | Altitude                               |      |      | 32100                                      |
| 2021-07-28 06:47:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-28 06:47:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-28 06:47:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-28 06:47:00 | Core Speed                             | 95   | 94.9 |                                            |
| 2021-07-28 06:47:00 | Date GE Received                       |      |      | 07/28/2021                                 |
| 2021-07-28 06:47:00 | Date of Report                         |      |      | 07/28/2021                                 |
| 2021-07-28 06:47:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-07-28 06:47:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-28 06:47:00 | Downlink Ground Station                |      |      | KMG                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-28 06:47:00 | EGT Exhaust Gas Temperature            | 677  | 676  |                                            |
| 2021-07-28 06:47:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-28 06:47:00 | Flight Counter                         |      |      | 2787                                       |
| 2021-07-28 06:47:00 | Flight Number ACARS                    |      |      | 5702                                       |
| 2021-07-28 06:47:00 | Flight Number ACMS                     |      |      | 5702                                       |
| 2021-07-28 06:47:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-28 06:47:00 | Fuel Flow                              | 1295 | 1276 |                                            |
| 2021-07-28 06:47:00 | Ground Speed                           |      |      | 430                                        |
| 2021-07-28 06:47:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-28 06:47:00 | Leg                                    |      |      | 1                                          |
| 2021-07-28 06:47:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-07-28 06:47:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-28 06:47:00 | N1 Indicated Fan Speed                 | 88.8 | 88.8 |                                            |
| 2021-07-28 06:47:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-28 06:47:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-07-28 06:47:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-28 06:47:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-28 06:47:00 | Temperature Static Air                 |      |      | -29.5                                      |
| 2021-07-28 06:47:00 | Throttle Lever Angle                   | 63.1 | 63.2 |                                            |
| 2021-07-28 06:47:00 | Time GE Received                       |      |      | 08:43:01                                   |
| 2021-07-28 06:47:00 | Time Of Report                         |      |      | 06:47:00                                   |
| 2021-07-28 06:47:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |
| 2021-07-28 06:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 06:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 06:47:00 | Vibration N1 #1 Bearing                | 0.24 | 0.22 |                                            |
| 2021-07-28 06:47:00 | Vibration N1 Phase Angle #1 Bearing    | 134  | 83   |                                            |
| 2021-07-28 06:47:00 | Vibration N1 Phase Angle Turbine Frame | 112  | 96   |                                            |
| 2021-07-28 06:47:00 | Vibration N1 Turbine Frame             | 0.46 | 0.38 |                                            |
| 2021-07-28 06:47:00 | Vibration N2 #1 Bearing                | 0.03 | 0.23 |                                            |
| 2021-07-28 06:47:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |
| 2021-07-28 00:40:00 | (1)                                    |      | 63.7 | 21                                         |
| 2021-07-28 00:40:00 | (1)                                    |      |      | 701                                        |
| 2021-07-28 00:40:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-28 00:40:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-28 00:40:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-28 00:40:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-28 00:40:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-28 00:40:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-28 00:40:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-28 00:40:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-28 00:40:00 | Air Speed Indicated                    |      |      | 255.8                                      |
| 2021-07-28 00:40:00 | Aircraft Gross Weight                  |      |      | 69689                                      |
| 2021-07-28 00:40:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-28 00:40:00 | Altitude                               |      |      | 35102                                      |
| 2021-07-28 00:40:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-28 00:40:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-28 00:40:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-28 00:40:00 | Core Speed                             | 94.5 | 94.2 |                                            |
| 2021-07-28 00:40:00 | Date GE Received                       |      |      | 07/28/2021                                 |
| 2021-07-28 00:40:00 | Date of Report                         |      |      | 07/28/2021                                 |
| 2021-07-28 00:40:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-28 00:40:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-07-28 00:40:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-07-28 00:40:00 | EGT Exhaust Gas Temperature            | 685  | 693  |                                            |
| 2021-07-28 00:40:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-28 00:40:00 | Flight Counter                         |      |      | 1378                                       |
| 2021-07-28 00:40:00 | Flight Number ACARS                    |      |      | 5701                                       |
| 2021-07-28 00:40:00 | Flight Number ACMS                     |      |      | 5701                                       |
| 2021-07-28 00:40:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-28 00:40:00 | Fuel Flow                              | 1275 | 1256 |                                            |
| 2021-07-28 00:40:00 | Ground Speed                           |      |      | 437.2                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-28 00:40:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-28 00:40:00 | Leg                                    |      |      | 1                                          |
| 2021-07-28 00:40:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-07-28 00:40:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-28 00:40:00 | N1 Indicated Fan Speed                 | 90.3 | 90.3 |                                            |
| 2021-07-28 00:40:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-28 00:40:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-07-28 00:40:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-28 00:40:00 | Software ID ACMS                       |      |      | A85 27                                     |
| 2021-07-28 00:40:00 | Temperature Static Air                 |      |      | -39                                        |
| 2021-07-28 00:40:00 | Throttle Lever Angle                   | 63.7 | 63.7 |                                            |
| 2021-07-28 00:40:00 | Time GE Received                       |      |      | 02:34:30                                   |
| 2021-07-28 00:40:00 | Time Of Report                         |      |      | 00:40:00                                   |
| 2021-07-28 00:40:00 | Total Air Temperature Aircraft         |      |      | -12                                        |
| 2021-07-28 00:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 00:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-28 00:40:00 | Vibration N1 #1 Bearing                | 0.47 | 0.17 |                                            |
| 2021-07-28 00:40:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 91   |                                            |
| 2021-07-28 00:40:00 | Vibration N1 Phase Angle Turbine Frame | 127  | 97   |                                            |
| 2021-07-28 00:40:00 | Vibration N1 Turbine Frame             | 0.61 | 0.31 |                                            |
| 2021-07-28 00:40:00 | Vibration N2 #1 Bearing                | 0.03 | 0.14 |                                            |
| 2021-07-28 00:40:00 | Vibration N2 Turbine Frame             | 0.05 | 0.07 |                                            |
| 2021-07-27 14:13:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-07-27 14:13:00 | (1)                                    |      |      | 264                                        |
| 2021-07-27 14:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-27 14:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-27 14:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-27 14:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-27 14:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-27 14:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-27 14:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-27 14:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-27 14:13:00 | Air Speed Indicated                    |      |      | 267.2                                      |
| 2021-07-27 14:13:00 | Aircraft Gross Weight                  |      |      | 63303                                      |
| 2021-07-27 14:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-27 14:13:00 | Altitude                               |      |      | 34102                                      |
| 2021-07-27 14:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-27 14:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-27 14:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-27 14:13:00 | Core Speed                             | 94.2 | 94   |                                            |
| 2021-07-27 14:13:00 | Date GE Received                       |      |      | 07/27/2021                                 |
| 2021-07-27 14:13:00 | Date of Report                         |      |      | 07/27/2021                                 |
| 2021-07-27 14:13:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-27 14:13:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-27 14:13:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-27 14:13:00 | EGT Exhaust Gas Temperature            | 662  | 673  |                                            |
| 2021-07-27 14:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-27 14:13:00 | Flight Counter                         |      |      | 240                                        |
| 2021-07-27 14:13:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-27 14:13:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-27 14:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-27 14:13:00 | Fuel Flow                              | 1221 | 1221 |                                            |
| 2021-07-27 14:13:00 | Ground Speed                           |      |      | 445                                        |
| 2021-07-27 14:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-27 14:13:00 | Leg                                    |      |      | 2                                          |
| 2021-07-27 14:13:00 | Mach Number                            |      |      | 0.773                                      |
| 2021-07-27 14:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-27 14:13:00 | N1 Indicated Fan Speed                 | 88.5 | 88.6 |                                            |
| 2021-07-27 14:13:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-07-27 14:13:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-27 14:13:00 | Report Number ACMS                     |      |      | CRZ                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-27 14:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-27 14:13:00 | Temperature Static Air                 |      |      | -36.7                                      |
| 2021-07-27 14:13:00 | Throttle Lever Angle                   | 62.4 | 62.5 |                                            |
| 2021-07-27 14:13:00 | Time GE Received                       |      |      | 15:20:36                                   |
| 2021-07-27 14:13:00 | Time Of Report                         |      |      | 14:13:00                                   |
| 2021-07-27 14:13:00 | Total Air Temperature Aircraft         |      |      | -8.5                                       |
| 2021-07-27 14:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-27 14:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-27 14:13:00 | Vibration N1 #1 Bearing                | 0.26 | 0.14 |                                            |
| 2021-07-27 14:13:00 | Vibration N1 Phase Angle #1 Bearing    | 106  | 84   |                                            |
| 2021-07-27 14:13:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 93   |                                            |
| 2021-07-27 14:13:00 | Vibration N1 Turbine Frame             | 0.46 | 0.3  |                                            |
| 2021-07-27 14:13:00 | Vibration N2 #1 Bearing                | 0.03 | 0.13 |                                            |
| 2021-07-27 14:13:00 | Vibration N2 Turbine Frame             | 0.09 | 0.09 |                                            |
| 2021-07-27 09:51:00 | (1)                                    |      | 61.2 | 21                                         |
| 2021-07-27 09:51:00 | (1)                                    |      |      | 264                                        |
| 2021-07-27 09:51:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-27 09:51:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-27 09:51:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-27 09:51:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-27 09:51:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-27 09:51:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-27 09:51:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-27 09:51:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-27 09:51:00 | Air Speed Indicated                    |      |      | 273.1                                      |
| 2021-07-27 09:51:00 | Aircraft Gross Weight                  |      |      | 60599                                      |
| 2021-07-27 09:51:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-27 09:51:00 | Altitude                               |      |      | 32109                                      |
| 2021-07-27 09:51:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-27 09:51:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-27 09:51:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-27 09:51:00 | Core Speed                             | 93.6 | 93.3 |                                            |
| 2021-07-27 09:51:00 | Date GE Received                       |      |      | 07/27/2021                                 |
| 2021-07-27 09:51:00 | Date of Report                         |      |      | 07/27/2021                                 |
| 2021-07-27 09:51:00 | Departure Station                      |      |      | ZYT                                        |
| 2021-07-27 09:51:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-27 09:51:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-27 09:51:00 | EGT Exhaust Gas Temperature            | 649  | 656  |                                            |
| 2021-07-27 09:51:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-27 09:51:00 | Flight Counter                         |      |      | 404                                        |
| 2021-07-27 09:51:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-27 09:51:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-27 09:51:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-27 09:51:00 | Fuel Flow                              | 1207 | 1207 |                                            |
| 2021-07-27 09:51:00 | Ground Speed                           |      |      | 387.7                                      |
| 2021-07-27 09:51:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-27 09:51:00 | Leg                                    |      |      | 1                                          |
| 2021-07-27 09:51:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-07-27 09:51:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-27 09:51:00 | N1 Indicated Fan Speed                 | 86.4 | 86.4 |                                            |
| 2021-07-27 09:51:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-27 09:51:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-07-27 09:51:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-27 09:51:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-27 09:51:00 | Temperature Static Air                 |      |      | -32.7                                      |
| 2021-07-27 09:51:00 | Throttle Lever Angle                   | 61.2 | 61.2 |                                            |
| 2021-07-27 09:51:00 | Time GE Received                       |      |      | 12:04:51                                   |
| 2021-07-27 09:51:00 | Time Of Report                         |      |      | 09:51:00                                   |
| 2021-07-27 09:51:00 | Total Air Temperature Aircraft         |      |      | -5.3                                       |
| 2021-07-27 09:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-27 09:51:00 | Unknown parameter/formatting character |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-27 09:51:00 | Vibration N1 #1 Bearing                | 0.06 | 0.06 |                                            |
| 2021-07-27 09:51:00 | Vibration N1 Phase Angle #1 Bearing    | 62   | 72   |                                            |
| 2021-07-27 09:51:00 | Vibration N1 Phase Angle Turbine Frame | 109  | 71   |                                            |
| 2021-07-27 09:51:00 | Vibration N1 Turbine Frame             | 0.3  | 0.22 |                                            |
| 2021-07-27 09:51:00 | Vibration N2 #1 Bearing                | 0.04 | 0.11 |                                            |
| 2021-07-27 09:51:00 | Vibration N2 Turbine Frame             | 0.08 | 0.09 |                                            |
| 2021-07-27 06:23:00 | (1)                                    |      | 61.8 | 21                                         |
| 2021-07-27 06:23:00 | (1)                                    |      |      | 263                                        |
| 2021-07-27 06:23:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-27 06:23:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-27 06:23:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-27 06:23:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-27 06:23:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-27 06:23:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-27 06:23:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-27 06:23:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-27 06:23:00 | Air Speed Indicated                    |      |      | 260.3                                      |
| 2021-07-27 06:23:00 | Aircraft Gross Weight                  |      |      | 64264                                      |
| 2021-07-27 06:23:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-27 06:23:00 | Altitude                               |      |      | 35106                                      |
| 2021-07-27 06:23:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-27 06:23:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-27 06:23:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-27 06:23:00 | Core Speed                             | 93.3 | 93   |                                            |
| 2021-07-27 06:23:00 | Date GE Received                       |      |      | 07/27/2021                                 |
| 2021-07-27 06:23:00 | Date of Report                         |      |      | 07/27/2021                                 |
| 2021-07-27 06:23:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-27 06:23:00 | Destination Station                    |      |      | ZYT                                        |
| 2021-07-27 06:23:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-07-27 06:23:00 | EGT Exhaust Gas Temperature            | 656  | 665  |                                            |
| 2021-07-27 06:23:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-27 06:23:00 | Flight Counter                         |      |      | 1384                                       |
| 2021-07-27 06:23:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-27 06:23:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-27 06:23:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-27 06:23:00 | Fuel Flow                              | 1168 | 1153 |                                            |
| 2021-07-27 06:23:00 | Ground Speed                           |      |      | 489.1                                      |
| 2021-07-27 06:23:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-27 06:23:00 | Leg                                    |      |      | 2                                          |
| 2021-07-27 06:23:00 | Mach Number                            |      |      | 0.771                                      |
| 2021-07-27 06:23:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-27 06:23:00 | N1 Indicated Fan Speed                 | 87.9 | 87.9 |                                            |
| 2021-07-27 06:23:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-27 06:23:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-27 06:23:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-27 06:23:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-27 06:23:00 | Temperature Static Air                 |      |      | -40.5                                      |
| 2021-07-27 06:23:00 | Throttle Lever Angle                   | 61.9 | 61.8 |                                            |
| 2021-07-27 06:23:00 | Time GE Received                       |      |      | 07:22:33                                   |
| 2021-07-27 06:23:00 | Time Of Report                         |      |      | 06:23:00                                   |
| 2021-07-27 06:23:00 | Total Air Temperature Aircraft         |      |      | -12.5                                      |
| 2021-07-27 06:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-27 06:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-27 06:23:00 | Vibration N1 #1 Bearing                | 0.15 | 0.09 |                                            |
| 2021-07-27 06:23:00 | Vibration N1 Phase Angle #1 Bearing    | 160  | 98   |                                            |
| 2021-07-27 06:23:00 | Vibration N1 Phase Angle Turbine Frame | 103  | 91   |                                            |
| 2021-07-27 06:23:00 | Vibration N1 Turbine Frame             | 0.48 | 0.24 |                                            |
| 2021-07-27 06:23:00 | Vibration N2 #1 Bearing                | 0.02 | 0.09 |                                            |
| 2021-07-27 06:23:00 | Vibration N2 Turbine Frame             | 0.03 | 0.1  |                                            |
| 2021-07-27 01:54:00 | (1)                                    |      | 63.7 | 21                                         |
| 2021-07-27 01:54:00 | (1)                                    |      |      | 263                                        |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-27 01:54:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-27 01:54:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-27 01:54:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-27 01:54:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-27 01:54:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-27 01:54:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-27 01:54:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-27 01:54:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-27 01:54:00 | Air Speed Indicated                    |      |      | 262.7                                      |
| 2021-07-27 01:54:00 | Aircraft Gross Weight                  |      |      | 66750                                      |
| 2021-07-27 01:54:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-27 01:54:00 | Altitude                               |      |      | 35111                                      |
| 2021-07-27 01:54:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-27 01:54:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-27 01:54:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-27 01:54:00 | Core Speed                             | 94.8 | 94.5 |                                            |
| 2021-07-27 01:54:00 | Date GE Received                       |      |      | 07/27/2021                                 |
| 2021-07-27 01:54:00 | Date of Report                         |      |      | 07/27/2021                                 |
| 2021-07-27 01:54:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-27 01:54:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-27 01:54:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-27 01:54:00 | EGT Exhaust Gas Temperature            | 684  | 694  |                                            |
| 2021-07-27 01:54:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-27 01:54:00 | Flight Counter                         |      |      | 1447                                       |
| 2021-07-27 01:54:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-27 01:54:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-27 01:54:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-27 01:54:00 | Fuel Flow                              | 1271 | 1261 |                                            |
| 2021-07-27 01:54:00 | Ground Speed                           |      |      | 444.1                                      |
| 2021-07-27 01:54:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-27 01:54:00 | Leg                                    |      |      | 1                                          |
| 2021-07-27 01:54:00 | Mach Number                            |      |      | 0.777                                      |
| 2021-07-27 01:54:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-27 01:54:00 | N1 Indicated Fan Speed                 | 90.2 | 90.3 |                                            |
| 2021-07-27 01:54:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-27 01:54:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-27 01:54:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-27 01:54:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-27 01:54:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-07-27 01:54:00 | Throttle Lever Angle                   | 63.7 | 63.7 |                                            |
| 2021-07-27 01:54:00 | Time GE Received                       |      |      | 02:54:17                                   |
| 2021-07-27 01:54:00 | Time Of Report                         |      |      | 01:54:00                                   |
| 2021-07-27 01:54:00 | Total Air Temperature Aircraft         |      |      | -10                                        |
| 2021-07-27 01:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-27 01:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-27 01:54:00 | Vibration N1 #1 Bearing                | 0.42 | 0.09 |                                            |
| 2021-07-27 01:54:00 | Vibration N1 Phase Angle #1 Bearing    | 112  | 114  |                                            |
| 2021-07-27 01:54:00 | Vibration N1 Phase Angle Turbine Frame | 126  | 86   |                                            |
| 2021-07-27 01:54:00 | Vibration N1 Turbine Frame             | 0.57 | 0.4  |                                            |
| 2021-07-27 01:54:00 | Vibration N2 #1 Bearing                | 0.04 | 0.13 |                                            |
| 2021-07-27 01:54:00 | Vibration N2 Turbine Frame             | 0.08 | 0.07 |                                            |
| 2021-07-26 13:11:00 | (1)                                    |      | 63.2 | 21                                         |
| 2021-07-26 13:11:00 | (1)                                    |      |      | 812                                        |
| 2021-07-26 13:11:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-26 13:11:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-26 13:11:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-26 13:11:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-26 13:11:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-26 13:11:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-26 13:11:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-26 13:11:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-26 13:11:00 | Air Speed Indicated                    |      |      | 259.4                                      |
| 2021-07-26 13:11:00 | Aircraft Gross Weight                  |      |      | 60218                                      |
| 2021-07-26 13:11:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-26 13:11:00 | Altitude                               |      |      | 36100                                      |
| 2021-07-26 13:11:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-26 13:11:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-26 13:11:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-26 13:11:00 | Core Speed                             | 94.4 | 94   |                                            |
| 2021-07-26 13:11:00 | Date GE Received                       |      |      | 07/26/2021                                 |
| 2021-07-26 13:11:00 | Date of Report                         |      |      | 07/26/2021                                 |
| 2021-07-26 13:11:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-26 13:11:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-26 13:11:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-26 13:11:00 | EGT Exhaust Gas Temperature            | 680  | 687  |                                            |
| 2021-07-26 13:11:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-26 13:11:00 | Flight Counter                         |      |      | 2582                                       |
| 2021-07-26 13:11:00 | Flight Number ACARS                    |      |      | 5812                                       |
| 2021-07-26 13:11:00 | Flight Number ACMS                     |      |      | 5812                                       |
| 2021-07-26 13:11:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-26 13:11:00 | Fuel Flow                              | 1167 | 1157 |                                            |
| 2021-07-26 13:11:00 | Ground Speed                           |      |      | 467.9                                      |
| 2021-07-26 13:11:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-26 13:11:00 | Leg                                    |      |      | 1                                          |
| 2021-07-26 13:11:00 | Mach Number                            |      |      | 0.784                                      |
| 2021-07-26 13:11:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-26 13:11:00 | N1 Indicated Fan Speed                 | 89.3 | 89.2 |                                            |
| 2021-07-26 13:11:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-26 13:11:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-07-26 13:11:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-26 13:11:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-26 13:11:00 | Temperature Static Air                 |      |      | -37.3                                      |
| 2021-07-26 13:11:00 | Throttle Lever Angle                   | 63.2 | 63.2 |                                            |
| 2021-07-26 13:11:00 | Time GE Received                       |      |      | 14:57:12                                   |
| 2021-07-26 13:11:00 | Time Of Report                         |      |      | 13:11:00                                   |
| 2021-07-26 13:11:00 | Total Air Temperature Aircraft         |      |      | -8                                         |
| 2021-07-26 13:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 13:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 13:11:00 | Vibration N1 #1 Bearing                | 0.21 | 0.09 |                                            |
| 2021-07-26 13:11:00 | Vibration N1 Phase Angle #1 Bearing    | 134  | 44   |                                            |
| 2021-07-26 13:11:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 86   |                                            |
| 2021-07-26 13:11:00 | Vibration N1 Turbine Frame             | 0.37 | 0.31 |                                            |
| 2021-07-26 13:11:00 | Vibration N2 #1 Bearing                | 0.06 | 0.17 |                                            |
| 2021-07-26 13:11:00 | Vibration N2 Turbine Frame             | 0.1  | 0.1  |                                            |
| 2021-07-26 08:49:00 | (1)                                    |      | 64.3 | 21                                         |
| 2021-07-26 08:49:00 | (1)                                    |      |      | 811                                        |
| 2021-07-26 08:49:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-26 08:49:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-26 08:49:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-26 08:49:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-26 08:49:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-26 08:49:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-26 08:49:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-26 08:49:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-26 08:49:00 | Air Speed Indicated                    |      |      | 265                                        |
| 2021-07-26 08:49:00 | Aircraft Gross Weight                  |      |      | 67585                                      |
| 2021-07-26 08:49:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-26 08:49:00 | Altitude                               |      |      | 35108                                      |
| 2021-07-26 08:49:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-26 08:49:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-26 08:49:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-26 08:49:00 | Core Speed                             | 95.3 | 95   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-26 08:49:00 | Date GE Received                       |      |      | 07/26/2021                                 |
| 2021-07-26 08:49:00 | Date of Report                         |      |      | 07/26/2021                                 |
| 2021-07-26 08:49:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-26 08:49:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-26 08:49:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-07-26 08:49:00 | EGT Exhaust Gas Temperature            | 701  | 701  |                                            |
| 2021-07-26 08:49:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-26 08:49:00 | Flight Counter                         |      |      | 2748                                       |
| 2021-07-26 08:49:00 | Flight Number ACARS                    |      |      | 5811                                       |
| 2021-07-26 08:49:00 | Flight Number ACMS                     |      |      | 5811                                       |
| 2021-07-26 08:49:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-26 08:49:00 | Fuel Flow                              | 1295 | 1278 |                                            |
| 2021-07-26 08:49:00 | Ground Speed                           |      |      | 502                                        |
| 2021-07-26 08:49:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-26 08:49:00 | Leg                                    |      |      | 1                                          |
| 2021-07-26 08:49:00 | Mach Number                            |      |      | 0.783                                      |
| 2021-07-26 08:49:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-26 08:49:00 | N1 Indicated Fan Speed                 | 90.8 | 90.8 |                                            |
| 2021-07-26 08:49:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-07-26 08:49:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-26 08:49:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-26 08:49:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-26 08:49:00 | Temperature Static Air                 |      |      | -36                                        |
| 2021-07-26 08:49:00 | Throttle Lever Angle                   | 64.4 | 64.3 |                                            |
| 2021-07-26 08:49:00 | Time GE Received                       |      |      | 10:29:27                                   |
| 2021-07-26 08:49:00 | Time Of Report                         |      |      | 08:49:00                                   |
| 2021-07-26 08:49:00 | Total Air Temperature Aircraft         |      |      | -6.8                                       |
| 2021-07-26 08:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 08:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 08:49:00 | Vibration N1 #1 Bearing                | 0.35 | 0.17 |                                            |
| 2021-07-26 08:49:00 | Vibration N1 Phase Angle #1 Bearing    | 167  | 79   |                                            |
| 2021-07-26 08:49:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 93   |                                            |
| 2021-07-26 08:49:00 | Vibration N1 Turbine Frame             | 0.67 | 0.3  |                                            |
| 2021-07-26 08:49:00 | Vibration N2 #1 Bearing                | 0.08 | 0.19 |                                            |
| 2021-07-26 08:49:00 | Vibration N2 Turbine Frame             | 0.1  | 0.05 |                                            |
| 2021-07-26 05:43:00 | (1)                                    |      | 59.8 | 21                                         |
| 2021-07-26 05:43:00 | (1)                                    |      |      | 844                                        |
| 2021-07-26 05:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-26 05:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-26 05:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-26 05:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-26 05:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-26 05:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-26 05:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-26 05:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-26 05:43:00 | Air Speed Indicated                    |      |      | 291                                        |
| 2021-07-26 05:43:00 | Aircraft Gross Weight                  |      |      | 57243                                      |
| 2021-07-26 05:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-26 05:43:00 | Altitude                               |      |      | 25607                                      |
| 2021-07-26 05:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-26 05:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-26 05:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-26 05:43:00 | Core Speed                             | 93.5 | 93.6 |                                            |
| 2021-07-26 05:43:00 | Date GE Received                       |      |      | 07/26/2021                                 |
| 2021-07-26 05:43:00 | Date of Report                         |      |      | 07/26/2021                                 |
| 2021-07-26 05:43:00 | Departure Station                      |      |      | ZUT                                        |
| 2021-07-26 05:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-26 05:43:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-26 05:43:00 | EGT Exhaust Gas Temperature            | 628  | 629  |                                            |
| 2021-07-26 05:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-26 05:43:00 | Flight Counter                         |      |      | 4052                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-26 05:43:00 | Flight Number ACARS                    |      |      | 5844                                       |
| 2021-07-26 05:43:00 | Flight Number ACMS                     |      |      | 5844                                       |
| 2021-07-26 05:43:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-26 05:43:00 | Fuel Flow                              | 1277 | 1265 |                                            |
| 2021-07-26 05:43:00 | Ground Speed                           |      |      | 452.4                                      |
| 2021-07-26 05:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-26 05:43:00 | Leg                                    |      |      | 1                                          |
| 2021-07-26 05:43:00 | Mach Number                            |      |      | 0.705                                      |
| 2021-07-26 05:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-26 05:43:00 | N1 Indicated Fan Speed                 | 82.8 | 82.8 |                                            |
| 2021-07-26 05:43:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-07-26 05:43:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-26 05:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-26 05:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-26 05:43:00 | Temperature Static Air                 |      |      | -17.5                                      |
| 2021-07-26 05:43:00 | Throttle Lever Angle                   | 59.7 | 59.8 |                                            |
| 2021-07-26 05:43:00 | Time GE Received                       |      |      | 06:13:12                                   |
| 2021-07-26 05:43:00 | Time Of Report                         |      |      | 05:43:00                                   |
| 2021-07-26 05:43:00 | Total Air Temperature Aircraft         |      |      | 8                                          |
| 2021-07-26 05:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 05:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 05:43:00 | Vibration N1 #1 Bearing                | 0.1  | 0.09 |                                            |
| 2021-07-26 05:43:00 | Vibration N1 Phase Angle #1 Bearing    | 104  | 69   |                                            |
| 2021-07-26 05:43:00 | Vibration N1 Phase Angle Turbine Frame | 115  | 71   |                                            |
| 2021-07-26 05:43:00 | Vibration N1 Turbine Frame             | 0.35 | 0.2  |                                            |
| 2021-07-26 05:43:00 | Vibration N2 #1 Bearing                | 0.03 | 0.15 |                                            |
| 2021-07-26 05:43:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-07-26 03:06:00 | (1)                                    |      | 58.7 | 21                                         |
| 2021-07-26 03:06:00 | (1)                                    |      |      | 843                                        |
| 2021-07-26 03:06:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-26 03:06:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-26 03:06:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-26 03:06:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-26 03:06:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-26 03:06:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-26 03:06:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-26 03:06:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-26 03:06:00 | Air Speed Indicated                    |      |      | 256                                        |
| 2021-07-26 03:06:00 | Aircraft Gross Weight                  |      |      | 59275                                      |
| 2021-07-26 03:06:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-26 03:06:00 | Altitude                               |      |      | 29111                                      |
| 2021-07-26 03:06:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-26 03:06:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-26 03:06:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-26 03:06:00 | Core Speed                             | 92.3 | 92.1 |                                            |
| 2021-07-26 03:06:00 | Date GE Received                       |      |      | 07/26/2021                                 |
| 2021-07-26 03:06:00 | Date of Report                         |      |      | 07/26/2021                                 |
| 2021-07-26 03:06:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-26 03:06:00 | Destination Station                    |      |      | ZUT                                        |
| 2021-07-26 03:06:00 | Downlink Ground Station                |      |      | TFU                                        |
| 2021-07-26 03:06:00 | EGT Exhaust Gas Temperature            | 618  | 631  |                                            |
| 2021-07-26 03:06:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-26 03:06:00 | Flight Counter                         |      |      | 1709                                       |
| 2021-07-26 03:06:00 | Flight Number ACARS                    |      |      | 5843                                       |
| 2021-07-26 03:06:00 | Flight Number ACMS                     |      |      | 5843                                       |
| 2021-07-26 03:06:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-26 03:06:00 | Fuel Flow                              | 1119 | 1121 |                                            |
| 2021-07-26 03:06:00 | Ground Speed                           |      |      | 408.4                                      |
| 2021-07-26 03:06:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-26 03:06:00 | Leg                                    |      |      | 1                                          |
| 2021-07-26 03:06:00 | Mach Number                            |      |      | 0.671                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-26 03:06:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-26 03:06:00 | N1 Indicated Fan Speed                 | 82.6 | 82.6 |                                            |
| 2021-07-26 03:06:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-26 03:06:00 | Oil Temperature                        | 108  | 107  |                                            |
| 2021-07-26 03:06:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-26 03:06:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-26 03:06:00 | Temperature Static Air                 |      |      | -26                                        |
| 2021-07-26 03:06:00 | Throttle Lever Angle                   | 58.7 | 58.7 |                                            |
| 2021-07-26 03:06:00 | Time GE Received                       |      |      | 03:34:42                                   |
| 2021-07-26 03:06:00 | Time Of Report                         |      |      | 03:06:00                                   |
| 2021-07-26 03:06:00 | Total Air Temperature Aircraft         |      |      | -3.8                                       |
| 2021-07-26 03:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 03:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-26 03:06:00 | Vibration N1 #1 Bearing                | 0.11 | 0.08 |                                            |
| 2021-07-26 03:06:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 34   |                                            |
| 2021-07-26 03:06:00 | Vibration N1 Phase Angle Turbine Frame | 111  | 55   |                                            |
| 2021-07-26 03:06:00 | Vibration N1 Turbine Frame             | 0.37 | 0.22 |                                            |
| 2021-07-26 03:06:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-07-26 03:06:00 | Vibration N2 Turbine Frame             | 0.02 | 0.13 |                                            |
| 2021-07-25 12:54:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-07-25 12:54:00 | (1)                                    |      |      | 704                                        |
| 2021-07-25 12:54:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-25 12:54:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-25 12:54:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-25 12:54:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-25 12:54:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-25 12:54:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-25 12:54:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-25 12:54:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-25 12:54:00 | Air Speed Indicated                    |      |      | 292.9                                      |
| 2021-07-25 12:54:00 | Aircraft Gross Weight                  |      |      | 62033                                      |
| 2021-07-25 12:54:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-25 12:54:00 | Altitude                               |      |      | 27604                                      |
| 2021-07-25 12:54:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-25 12:54:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-25 12:54:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-25 12:54:00 | Core Speed                             | 95.5 | 95.5 |                                            |
| 2021-07-25 12:54:00 | Date GE Received                       |      |      | 07/25/2021                                 |
| 2021-07-25 12:54:00 | Date of Report                         |      |      | 07/25/2021                                 |
| 2021-07-25 12:54:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-07-25 12:54:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-25 12:54:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-25 12:54:00 | EGT Exhaust Gas Temperature            | 662  | 660  |                                            |
| 2021-07-25 12:54:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-25 12:54:00 | Flight Counter                         |      |      | 394                                        |
| 2021-07-25 12:54:00 | Flight Number ACARS                    |      |      | 5704                                       |
| 2021-07-25 12:54:00 | Flight Number ACMS                     |      |      | 5704                                       |
| 2021-07-25 12:54:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-25 12:54:00 | Fuel Flow                              | 1372 | 1351 |                                            |
| 2021-07-25 12:54:00 | Ground Speed                           |      |      | 439.6                                      |
| 2021-07-25 12:54:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-25 12:54:00 | Leg                                    |      |      | 1                                          |
| 2021-07-25 12:54:00 | Mach Number                            |      |      | 0.739                                      |
| 2021-07-25 12:54:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-25 12:54:00 | N1 Indicated Fan Speed                 | 86.6 | 86.5 |                                            |
| 2021-07-25 12:54:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-07-25 12:54:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-25 12:54:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-25 12:54:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-25 12:54:00 | Temperature Static Air                 |      |      | -19.3                                      |
| 2021-07-25 12:54:00 | Throttle Lever Angle                   | 63.1 | 63.1 |                                            |

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|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-25 12:54:00 | Time GE Received                       |      |      | 15:07:34                                   |
| 2021-07-25 12:54:00 | Time Of Report                         |      |      | 12:54:00                                   |
| 2021-07-25 12:54:00 | Total Air Temperature Aircraft         |      |      | 8.5                                        |
| 2021-07-25 12:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 12:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 12:54:00 | Vibration N1 #1 Bearing                | 0.2  | 0.21 |                                            |
| 2021-07-25 12:54:00 | Vibration N1 Phase Angle #1 Bearing    | 103  | 71   |                                            |
| 2021-07-25 12:54:00 | Vibration N1 Phase Angle Turbine Frame | 125  | 82   |                                            |
| 2021-07-25 12:54:00 | Vibration N1 Turbine Frame             | 0.49 | 0.36 |                                            |
| 2021-07-25 12:54:00 | Vibration N2 #1 Bearing                | 0.07 | 0.24 |                                            |
| 2021-07-25 12:54:00 | Vibration N2 Turbine Frame             | 0.07 | 0.05 |                                            |
| 2021-07-25 07:41:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-07-25 07:41:00 | (1)                                    |      |      | 703                                        |
| 2021-07-25 07:41:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-25 07:41:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-25 07:41:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-25 07:41:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-25 07:41:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-25 07:41:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-25 07:41:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-25 07:41:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-25 07:41:00 | Air Speed Indicated                    |      |      | 257.4                                      |
| 2021-07-25 07:41:00 | Aircraft Gross Weight                  |      |      | 68419                                      |
| 2021-07-25 07:41:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-25 07:41:00 | Altitude                               |      |      | 35102                                      |
| 2021-07-25 07:41:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-25 07:41:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-25 07:41:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-25 07:41:00 | Core Speed                             | 93.9 | 93.6 |                                            |
| 2021-07-25 07:41:00 | Date GE Received                       |      |      | 07/25/2021                                 |
| 2021-07-25 07:41:00 | Date of Report                         |      |      | 07/25/2021                                 |
| 2021-07-25 07:41:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-25 07:41:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-07-25 07:41:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-07-25 07:41:00 | EGT Exhaust Gas Temperature            | 672  | 681  |                                            |
| 2021-07-25 07:41:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-25 07:41:00 | Flight Counter                         |      |      | 3896                                       |
| 2021-07-25 07:41:00 | Flight Number ACARS                    |      |      | 5703                                       |
| 2021-07-25 07:41:00 | Flight Number ACMS                     |      |      | 5703                                       |
| 2021-07-25 07:41:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-25 07:41:00 | Fuel Flow                              | 1219 | 1210 |                                            |
| 2021-07-25 07:41:00 | Ground Speed                           |      |      | 380.1                                      |
| 2021-07-25 07:41:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-25 07:41:00 | Leg                                    |      |      | 1                                          |
| 2021-07-25 07:41:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-07-25 07:41:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-25 07:41:00 | N1 Indicated Fan Speed                 | 89.2 | 89.3 |                                            |
| 2021-07-25 07:41:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-25 07:41:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-25 07:41:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-25 07:41:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-25 07:41:00 | Temperature Static Air                 |      |      | -39.8                                      |
| 2021-07-25 07:41:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-07-25 07:41:00 | Time GE Received                       |      |      | 10:00:29                                   |
| 2021-07-25 07:41:00 | Time Of Report                         |      |      | 07:41:00                                   |
| 2021-07-25 07:41:00 | Total Air Temperature Aircraft         |      |      | -12.7                                      |
| 2021-07-25 07:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 07:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 07:41:00 | Vibration N1 #1 Bearing                | 0.39 | 0.13 |                                            |
| 2021-07-25 07:41:00 | Vibration N1 Phase Angle #1 Bearing    | 124  | 81   |                                            |
| 2021-07-25 07:41:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 87   |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-25 07:41:00 | Vibration N1 Turbine Frame             | 0.51 | 0.27 |                                            |
| 2021-07-25 07:41:00 | Vibration N2 #1 Bearing                | 0.01 | 0.13 |                                            |
| 2021-07-25 07:41:00 | Vibration N2 Turbine Frame             | 0.03 | 0.12 |                                            |
| 2021-07-25 04:14:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-07-25 04:14:00 | (1)                                    |      |      | 732                                        |
| 2021-07-25 04:14:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-25 04:14:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-25 04:14:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-25 04:14:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-25 04:14:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-25 04:14:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-25 04:14:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-25 04:14:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-25 04:14:00 | Air Speed Indicated                    |      |      | 273.6                                      |
| 2021-07-25 04:14:00 | Aircraft Gross Weight                  |      |      | 61180                                      |
| 2021-07-25 04:14:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-25 04:14:00 | Altitude                               |      |      | 32113                                      |
| 2021-07-25 04:14:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-25 04:14:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-25 04:14:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-25 04:14:00 | Core Speed                             | 94.3 | 94   |                                            |
| 2021-07-25 04:14:00 | Date GE Received                       |      |      | 07/25/2021                                 |
| 2021-07-25 04:14:00 | Date of Report                         |      |      | 07/25/2021                                 |
| 2021-07-25 04:14:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-07-25 04:14:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-25 04:14:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-25 04:14:00 | EGT Exhaust Gas Temperature            | 660  | 668  |                                            |
| 2021-07-25 04:14:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-25 04:14:00 | Flight Counter                         |      |      | 791                                        |
| 2021-07-25 04:14:00 | Flight Number ACARS                    |      |      | 5732                                       |
| 2021-07-25 04:14:00 | Flight Number ACMS                     |      |      | 5732                                       |
| 2021-07-25 04:14:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-25 04:14:00 | Fuel Flow                              | 1241 | 1244 |                                            |
| 2021-07-25 04:14:00 | Ground Speed                           |      |      | 456                                        |
| 2021-07-25 04:14:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-25 04:14:00 | Leg                                    |      |      | 1                                          |
| 2021-07-25 04:14:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-07-25 04:14:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-25 04:14:00 | N1 Indicated Fan Speed                 | 87.3 | 87.3 |                                            |
| 2021-07-25 04:14:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-25 04:14:00 | Oil Temperature                        | 117  | 116  |                                            |
| 2021-07-25 04:14:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-25 04:14:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-25 04:14:00 | Temperature Static Air                 |      |      | -31.3                                      |
| 2021-07-25 04:14:00 | Throttle Lever Angle                   | 62   | 61.9 |                                            |
| 2021-07-25 04:14:00 | Time GE Received                       |      |      | 05:25:31                                   |
| 2021-07-25 04:14:00 | Time Of Report                         |      |      | 04:14:00                                   |
| 2021-07-25 04:14:00 | Total Air Temperature Aircraft         |      |      | -3.5                                       |
| 2021-07-25 04:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 04:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 04:14:00 | Vibration N1 #1 Bearing                | 0.2  | 0.1  |                                            |
| 2021-07-25 04:14:00 | Vibration N1 Phase Angle #1 Bearing    | 129  | 76   |                                            |
| 2021-07-25 04:14:00 | Vibration N1 Phase Angle Turbine Frame | 141  | 74   |                                            |
| 2021-07-25 04:14:00 | Vibration N1 Turbine Frame             | 0.46 | 0.27 |                                            |
| 2021-07-25 04:14:00 | Vibration N2 #1 Bearing                | 0.02 | 0.16 |                                            |
| 2021-07-25 04:14:00 | Vibration N2 Turbine Frame             | 0.06 | 0.1  |                                            |
| 2021-07-25 00:45:00 | (1)                                    |      | 61   | 21                                         |
| 2021-07-25 00:45:00 | (1)                                    |      |      | 731                                        |
| 2021-07-25 00:45:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-25 00:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-25 00:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-25 00:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-25 00:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-25 00:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-25 00:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-25 00:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-25 00:45:00 | Air Speed Indicated                    |      |      | 265.5                                      |
| 2021-07-25 00:45:00 | Aircraft Gross Weight                  |      |      | 63394                                      |
| 2021-07-25 00:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-25 00:45:00 | Altitude                               |      |      | 29111                                      |
| 2021-07-25 00:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-25 00:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-25 00:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-25 00:45:00 | Core Speed                             | 93.8 | 93.4 |                                            |
| 2021-07-25 00:45:00 | Date GE Received                       |      |      | 07/25/2021                                 |
| 2021-07-25 00:45:00 | Date of Report                         |      |      | 07/25/2021                                 |
| 2021-07-25 00:45:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-25 00:45:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-07-25 00:45:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-07-25 00:45:00 | EGT Exhaust Gas Temperature            | 652  | 672  |                                            |
| 2021-07-25 00:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-25 00:45:00 | Flight Counter                         |      |      | 1750                                       |
| 2021-07-25 00:45:00 | Flight Number ACARS                    |      |      | 5731                                       |
| 2021-07-25 00:45:00 | Flight Number ACMS                     |      |      | 5731                                       |
| 2021-07-25 00:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-25 00:45:00 | Fuel Flow                              | 1231 | 1239 |                                            |
| 2021-07-25 00:45:00 | Ground Speed                           |      |      | 439.5                                      |
| 2021-07-25 00:45:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-25 00:45:00 | Leg                                    |      |      | 1                                          |
| 2021-07-25 00:45:00 | Mach Number                            |      |      | 0.695                                      |
| 2021-07-25 00:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-25 00:45:00 | N1 Indicated Fan Speed                 | 84.8 | 84.8 |                                            |
| 2021-07-25 00:45:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-25 00:45:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-25 00:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-25 00:45:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-25 00:45:00 | Temperature Static Air                 |      |      | -24.2                                      |
| 2021-07-25 00:45:00 | Throttle Lever Angle                   | 61   | 61   |                                            |
| 2021-07-25 00:45:00 | Time GE Received                       |      |      | 01:29:54                                   |
| 2021-07-25 00:45:00 | Time Of Report                         |      |      | 00:45:00                                   |
| 2021-07-25 00:45:00 | Total Air Temperature Aircraft         |      |      | -0.5                                       |
| 2021-07-25 00:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 00:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-25 00:45:00 | Vibration N1 #1 Bearing                | 0.08 | 0.11 |                                            |
| 2021-07-25 00:45:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 53   |                                            |
| 2021-07-25 00:45:00 | Vibration N1 Phase Angle Turbine Frame | 122  | 49   |                                            |
| 2021-07-25 00:45:00 | Vibration N1 Turbine Frame             | 0.3  | 0.3  |                                            |
| 2021-07-25 00:45:00 | Vibration N2 #1 Bearing                | 0.04 | 0.18 |                                            |
| 2021-07-25 00:45:00 | Vibration N2 Turbine Frame             | 0.08 | 0.17 |                                            |
| 2021-07-24 14:18:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-07-24 14:18:00 | (1)                                    |      |      | 264                                        |
| 2021-07-24 14:18:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-24 14:18:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-24 14:18:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-24 14:18:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-24 14:18:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-24 14:18:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-24 14:18:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-24 14:18:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-24 14:18:00 | Air Speed Indicated                    |      |      | 269.5                                      |
| 2021-07-24 14:18:00 | Aircraft Gross Weight                  |      |      | 66079                                      |
| 2021-07-24 14:18:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-24 14:18:00 | Altitude                               |      |      | 34104                                      |
| 2021-07-24 14:18:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-24 14:18:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-24 14:18:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-24 14:18:00 | Core Speed                             | 94.4 | 94.2 |                                            |
| 2021-07-24 14:18:00 | Date GE Received                       |      |      | 07/24/2021                                 |
| 2021-07-24 14:18:00 | Date of Report                         |      |      | 07/24/2021                                 |
| 2021-07-24 14:18:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-24 14:18:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-24 14:18:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-24 14:18:00 | EGT Exhaust Gas Temperature            | 683  | 679  |                                            |
| 2021-07-24 14:18:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-24 14:18:00 | Flight Counter                         |      |      | 521                                        |
| 2021-07-24 14:18:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-24 14:18:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-24 14:18:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-24 14:18:00 | Fuel Flow                              | 1275 | 1248 |                                            |
| 2021-07-24 14:18:00 | Ground Speed                           |      |      | 529.3                                      |
| 2021-07-24 14:18:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-24 14:18:00 | Leg                                    |      |      | 2                                          |
| 2021-07-24 14:18:00 | Mach Number                            |      |      | 0.779                                      |
| 2021-07-24 14:18:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-24 14:18:00 | N1 Indicated Fan Speed                 | 89.2 | 89.2 |                                            |
| 2021-07-24 14:18:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-24 14:18:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-24 14:18:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-24 14:18:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-24 14:18:00 | Temperature Static Air                 |      |      | -37.5                                      |
| 2021-07-24 14:18:00 | Throttle Lever Angle                   | 62.9 | 62.8 |                                            |
| 2021-07-24 14:18:00 | Time GE Received                       |      |      | 15:43:49                                   |
| 2021-07-24 14:18:00 | Time Of Report                         |      |      | 14:18:00                                   |
| 2021-07-24 14:18:00 | Total Air Temperature Aircraft         |      |      | -9                                         |
| 2021-07-24 14:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 14:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 14:18:00 | Vibration N1 #1 Bearing                | 0.26 | 0.19 |                                            |
| 2021-07-24 14:18:00 | Vibration N1 Phase Angle #1 Bearing    | 147  | 88   |                                            |
| 2021-07-24 14:18:00 | Vibration N1 Phase Angle Turbine Frame | 117  | 98   |                                            |
| 2021-07-24 14:18:00 | Vibration N1 Turbine Frame             | 0.5  | 0.29 |                                            |
| 2021-07-24 14:18:00 | Vibration N2 #1 Bearing                | 0.05 | 0.11 |                                            |
| 2021-07-24 14:18:00 | Vibration N2 Turbine Frame             | 0.11 | 0.08 |                                            |
| 2021-07-24 11:13:00 | (1)                                    |      | 63   | 21                                         |
| 2021-07-24 11:13:00 | (1)                                    |      |      | 264                                        |
| 2021-07-24 11:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-24 11:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-24 11:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-24 11:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-24 11:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-24 11:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-24 11:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-24 11:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-24 11:13:00 | Air Speed Indicated                    |      |      | 251.4                                      |
| 2021-07-24 11:13:00 | Aircraft Gross Weight                  |      |      | 65861                                      |
| 2021-07-24 11:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-24 11:13:00 | Altitude                               |      |      | 36104                                      |
| 2021-07-24 11:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-24 11:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-24 11:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-24 11:13:00 | Core Speed                             | 93.8 | 93.5 |                                            |
| 2021-07-24 11:13:00 | Date GE Received                       |      |      | 07/24/2021                                 |
| 2021-07-24 11:13:00 | Date of Report                         |      |      | 07/24/2021                                 |
| 2021-07-24 11:13:00 | Departure Station                      |      |      | ZYT                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-24 11:13:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-24 11:13:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-24 11:13:00 | EGT Exhaust Gas Temperature            | 682  | 685  |                                            |
| 2021-07-24 11:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-24 11:13:00 | Flight Counter                         |      |      | 1846                                       |
| 2021-07-24 11:13:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-24 11:13:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-24 11:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-24 11:13:00 | Fuel Flow                              | 1203 | 1188 |                                            |
| 2021-07-24 11:13:00 | Ground Speed                           |      |      | 458.2                                      |
| 2021-07-24 11:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-24 11:13:00 | Leg                                    |      |      | 1                                          |
| 2021-07-24 11:13:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-07-24 11:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-24 11:13:00 | N1 Indicated Fan Speed                 | 89.5 | 89.6 |                                            |
| 2021-07-24 11:13:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-24 11:13:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-07-24 11:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-24 11:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-24 11:13:00 | Temperature Static Air                 |      |      | -42.2                                      |
| 2021-07-24 11:13:00 | Throttle Lever Angle                   | 63   | 63   |                                            |
| 2021-07-24 11:13:00 | Time GE Received                       |      |      | 12:11:02                                   |
| 2021-07-24 11:13:00 | Time Of Report                         |      |      | 11:13:00                                   |
| 2021-07-24 11:13:00 | Total Air Temperature Aircraft         |      |      | -15.5                                      |
| 2021-07-24 11:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 11:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 11:13:00 | Vibration N1 #1 Bearing                | 0.26 | 0.12 |                                            |
| 2021-07-24 11:13:00 | Vibration N1 Phase Angle #1 Bearing    | 158  | 87   |                                            |
| 2021-07-24 11:13:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 87   |                                            |
| 2021-07-24 11:13:00 | Vibration N1 Turbine Frame             | 0.6  | 0.25 |                                            |
| 2021-07-24 11:13:00 | Vibration N2 #1 Bearing                | 0.02 | 0.1  |                                            |
| 2021-07-24 11:13:00 | Vibration N2 Turbine Frame             | 0.06 | 0.09 |                                            |
| 2021-07-24 06:14:00 | (1)                                    |      | 61.8 | 21                                         |
| 2021-07-24 06:14:00 | (1)                                    |      |      | 263                                        |
| 2021-07-24 06:14:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-24 06:14:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-24 06:14:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-24 06:14:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-24 06:14:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-24 06:14:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-24 06:14:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-24 06:14:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-24 06:14:00 | Air Speed Indicated                    |      |      | 259.4                                      |
| 2021-07-24 06:14:00 | Aircraft Gross Weight                  |      |      | 65589                                      |
| 2021-07-24 06:14:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-24 06:14:00 | Altitude                               |      |      | 33106                                      |
| 2021-07-24 06:14:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-24 06:14:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-24 06:14:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-24 06:14:00 | Core Speed                             | 93.8 | 93.5 |                                            |
| 2021-07-24 06:14:00 | Date GE Received                       |      |      | 07/24/2021                                 |
| 2021-07-24 06:14:00 | Date of Report                         |      |      | 07/24/2021                                 |
| 2021-07-24 06:14:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-24 06:14:00 | Destination Station                    |      |      | ZYT                                        |
| 2021-07-24 06:14:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-07-24 06:14:00 | EGT Exhaust Gas Temperature            | 661  | 668  |                                            |
| 2021-07-24 06:14:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-24 06:14:00 | Flight Counter                         |      |      | 1449                                       |
| 2021-07-24 06:14:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-24 06:14:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-24 06:14:00 | Flight Phase ACMS                      |      |      | SCR2                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-24 06:14:00 | Fuel Flow                              | 1217 | 1209 |                                            |
| 2021-07-24 06:14:00 | Ground Speed                           |      |      | 375.5                                      |
| 2021-07-24 06:14:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-24 06:14:00 | Leg                                    |      |      | 2                                          |
| 2021-07-24 06:14:00 | Mach Number                            |      |      | 0.737                                      |
| 2021-07-24 06:14:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-24 06:14:00 | N1 Indicated Fan Speed                 | 87.7 | 87.7 |                                            |
| 2021-07-24 06:14:00 | Oil Pressure                           | 44   | 45   |                                            |
| 2021-07-24 06:14:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-24 06:14:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-24 06:14:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-24 06:14:00 | Temperature Static Air                 |      |      | -36                                        |
| 2021-07-24 06:14:00 | Throttle Lever Angle                   | 61.8 | 61.8 |                                            |
| 2021-07-24 06:14:00 | Time GE Received                       |      |      | 07:54:45                                   |
| 2021-07-24 06:14:00 | Time Of Report                         |      |      | 06:14:00                                   |
| 2021-07-24 06:14:00 | Total Air Temperature Aircraft         |      |      | -10.2                                      |
| 2021-07-24 06:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 06:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 06:14:00 | Vibration N1 #1 Bearing                | 0.28 | 0.11 |                                            |
| 2021-07-24 06:14:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 81   |                                            |
| 2021-07-24 06:14:00 | Vibration N1 Phase Angle Turbine Frame | 126  | 86   |                                            |
| 2021-07-24 06:14:00 | Vibration N1 Turbine Frame             | 0.45 | 0.26 |                                            |
| 2021-07-24 06:14:00 | Vibration N2 #1 Bearing                | 0.01 | 0.1  |                                            |
| 2021-07-24 06:14:00 | Vibration N2 Turbine Frame             | 0.04 | 0.08 |                                            |
| 2021-07-24 02:20:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-07-24 02:20:00 | (1)                                    |      |      | 263                                        |
| 2021-07-24 02:20:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-24 02:20:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-24 02:20:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-24 02:20:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-24 02:20:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-24 02:20:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-24 02:20:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-24 02:20:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-24 02:20:00 | Air Speed Indicated                    |      |      | 280.3                                      |
| 2021-07-24 02:20:00 | Aircraft Gross Weight                  |      |      | 66532                                      |
| 2021-07-24 02:20:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-24 02:20:00 | Altitude                               |      |      | 31102                                      |
| 2021-07-24 02:20:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-24 02:20:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-24 02:20:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-24 02:20:00 | Core Speed                             | 94.7 | 94.6 |                                            |
| 2021-07-24 02:20:00 | Date GE Received                       |      |      | 07/24/2021                                 |
| 2021-07-24 02:20:00 | Date of Report                         |      |      | 07/24/2021                                 |
| 2021-07-24 02:20:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-24 02:20:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-24 02:20:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-24 02:20:00 | EGT Exhaust Gas Temperature            | 681  | 679  |                                            |
| 2021-07-24 02:20:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-24 02:20:00 | Flight Counter                         |      |      | 2038                                       |
| 2021-07-24 02:20:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-24 02:20:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-24 02:20:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-24 02:20:00 | Fuel Flow                              | 1339 | 1322 |                                            |
| 2021-07-24 02:20:00 | Ground Speed                           |      |      | 445                                        |
| 2021-07-24 02:20:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-24 02:20:00 | Leg                                    |      |      | 1                                          |
| 2021-07-24 02:20:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-07-24 02:20:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-24 02:20:00 | N1 Indicated Fan Speed                 | 88.3 | 88.3 |                                            |
| 2021-07-24 02:20:00 | Oil Pressure                           | 47   | 48   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-24 02:20:00 | Oil Temperature                        | 105  | 105  |                                            |
| 2021-07-24 02:20:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-24 02:20:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-24 02:20:00 | Temperature Static Air                 |      |      | -29.5                                      |
| 2021-07-24 02:20:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-07-24 02:20:00 | Time GE Received                       |      |      | 03:40:29                                   |
| 2021-07-24 02:20:00 | Time Of Report                         |      |      | 02:20:00                                   |
| 2021-07-24 02:20:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |
| 2021-07-24 02:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 02:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-24 02:20:00 | Vibration N1 #1 Bearing                | 0.15 | 0.11 |                                            |
| 2021-07-24 02:20:00 | Vibration N1 Phase Angle #1 Bearing    | 138  | 90   |                                            |
| 2021-07-24 02:20:00 | Vibration N1 Phase Angle Turbine Frame | 120  | 77   |                                            |
| 2021-07-24 02:20:00 | Vibration N1 Turbine Frame             | 0.35 | 0.22 |                                            |
| 2021-07-24 02:20:00 | Vibration N2 #1 Bearing                | 0.07 | 0.28 |                                            |
| 2021-07-24 02:20:00 | Vibration N2 Turbine Frame             | 0.12 | 0.14 |                                            |
| 2021-07-23 15:30:00 | (1)                                    |      | 61.2 | 21                                         |
| 2021-07-23 15:30:00 | (1)                                    |      |      | 264                                        |
| 2021-07-23 15:30:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-23 15:30:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-23 15:30:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-23 15:30:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-23 15:30:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-23 15:30:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-23 15:30:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-23 15:30:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-23 15:30:00 | Air Speed Indicated                    |      |      | 276.4                                      |
| 2021-07-23 15:30:00 | Aircraft Gross Weight                  |      |      | 61833                                      |
| 2021-07-23 15:30:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-23 15:30:00 | Altitude                               |      |      | 30102                                      |
| 2021-07-23 15:30:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-23 15:30:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-23 15:30:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-23 15:30:00 | Core Speed                             | 93.9 | 93.9 |                                            |
| 2021-07-23 15:30:00 | Date GE Received                       |      |      | 07/23/2021                                 |
| 2021-07-23 15:30:00 | Date of Report                         |      |      | 07/23/2021                                 |
| 2021-07-23 15:30:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-23 15:30:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-23 15:30:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-23 15:30:00 | EGT Exhaust Gas Temperature            | 651  | 649  |                                            |
| 2021-07-23 15:30:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-23 15:30:00 | Flight Counter                         |      |      | 2217                                       |
| 2021-07-23 15:30:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-23 15:30:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-23 15:30:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-23 15:30:00 | Fuel Flow                              | 1251 | 1241 |                                            |
| 2021-07-23 15:30:00 | Ground Speed                           |      |      | 467                                        |
| 2021-07-23 15:30:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-23 15:30:00 | Leg                                    |      |      | 2                                          |
| 2021-07-23 15:30:00 | Mach Number                            |      |      | 0.735                                      |
| 2021-07-23 15:30:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-23 15:30:00 | N1 Indicated Fan Speed                 | 85.9 | 85.9 |                                            |
| 2021-07-23 15:30:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-23 15:30:00 | Oil Temperature                        | 105  | 104  |                                            |
| 2021-07-23 15:30:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-23 15:30:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-23 15:30:00 | Temperature Static Air                 |      |      | -27.7                                      |
| 2021-07-23 15:30:00 | Throttle Lever Angle                   | 61.1 | 61.2 |                                            |
| 2021-07-23 15:30:00 | Time GE Received                       |      |      | 16:16:27                                   |
| 2021-07-23 15:30:00 | Time Of Report                         |      |      | 15:30:00                                   |
| 2021-07-23 15:30:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-23 15:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 15:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 15:30:00 | Vibration N1 #1 Bearing                | 0.1  | 0.13 |                                            |
| 2021-07-23 15:30:00 | Vibration N1 Phase Angle #1 Bearing    | 114  | 75   |                                            |
| 2021-07-23 15:30:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 81   |                                            |
| 2021-07-23 15:30:00 | Vibration N1 Turbine Frame             | 0.32 | 0.24 |                                            |
| 2021-07-23 15:30:00 | Vibration N2 #1 Bearing                | 0.02 | 0.18 |                                            |
| 2021-07-23 15:30:00 | Vibration N2 Turbine Frame             | 0.05 | 0.12 |                                            |
| 2021-07-23 10:36:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-07-23 10:36:00 | (1)                                    |      |      | 264                                        |
| 2021-07-23 10:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-23 10:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-23 10:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-23 10:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-23 10:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-23 10:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-23 10:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-23 10:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-23 10:36:00 | Air Speed Indicated                    |      |      | 280.6                                      |
| 2021-07-23 10:36:00 | Aircraft Gross Weight                  |      |      | 66823                                      |
| 2021-07-23 10:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-23 10:36:00 | Altitude                               |      |      | 32100                                      |
| 2021-07-23 10:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-23 10:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-23 10:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-23 10:36:00 | Core Speed                             | 93.4 | 93.3 |                                            |
| 2021-07-23 10:36:00 | Date GE Received                       |      |      | 07/23/2021                                 |
| 2021-07-23 10:36:00 | Date of Report                         |      |      | 07/23/2021                                 |
| 2021-07-23 10:36:00 | Departure Station                      |      |      | ZYT                                        |
| 2021-07-23 10:36:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-23 10:36:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-23 10:36:00 | EGT Exhaust Gas Temperature            | 649  | 646  |                                            |
| 2021-07-23 10:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-23 10:36:00 | Flight Counter                         |      |      | 1905                                       |
| 2021-07-23 10:36:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-23 10:36:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-23 10:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-23 10:36:00 | Fuel Flow                              | 1277 | 1258 |                                            |
| 2021-07-23 10:36:00 | Ground Speed                           |      |      | 437                                        |
| 2021-07-23 10:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-23 10:36:00 | Leg                                    |      |      | 1                                          |
| 2021-07-23 10:36:00 | Mach Number                            |      |      | 0.776                                      |
| 2021-07-23 10:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-23 10:36:00 | N1 Indicated Fan Speed                 | 87.2 | 87.3 |                                            |
| 2021-07-23 10:36:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-23 10:36:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-23 10:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-23 10:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-23 10:36:00 | Temperature Static Air                 |      |      | -38                                        |
| 2021-07-23 10:36:00 | Throttle Lever Angle                   | 61.4 | 61.4 |                                            |
| 2021-07-23 10:36:00 | Time GE Received                       |      |      | 12:16:04                                   |
| 2021-07-23 10:36:00 | Time Of Report                         |      |      | 10:36:00                                   |
| 2021-07-23 10:36:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-07-23 10:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 10:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 10:36:00 | Vibration N1 #1 Bearing                | 0.25 | 0.28 |                                            |
| 2021-07-23 10:36:00 | Vibration N1 Phase Angle #1 Bearing    | 136  | 81   |                                            |
| 2021-07-23 10:36:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 96   |                                            |
| 2021-07-23 10:36:00 | Vibration N1 Turbine Frame             | 0.47 | 0.39 |                                            |
| 2021-07-23 10:36:00 | Vibration N2 #1 Bearing                | 0.04 | 0.06 |                                            |
| 2021-07-23 10:36:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-23 06:35:00 | (1)                                    |      | 61.1 | 21                                         |
| 2021-07-23 06:35:00 | (1)                                    |      |      | 263                                        |
| 2021-07-23 06:35:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-23 06:35:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-23 06:35:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-23 06:35:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-23 06:35:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-23 06:35:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-23 06:35:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-23 06:35:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-23 06:35:00 | Air Speed Indicated                    |      |      | 257.2                                      |
| 2021-07-23 06:35:00 | Aircraft Gross Weight                  |      |      | 62668                                      |
| 2021-07-23 06:35:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-23 06:35:00 | Altitude                               |      |      | 35105                                      |
| 2021-07-23 06:35:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-23 06:35:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-23 06:35:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-23 06:35:00 | Core Speed                             | 92.6 | 92.4 |                                            |
| 2021-07-23 06:35:00 | Date GE Received                       |      |      | 07/23/2021                                 |
| 2021-07-23 06:35:00 | Date of Report                         |      |      | 07/23/2021                                 |
| 2021-07-23 06:35:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-23 06:35:00 | Destination Station                    |      |      | ZYT                                        |
| 2021-07-23 06:35:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-07-23 06:35:00 | EGT Exhaust Gas Temperature            | 646  | 652  |                                            |
| 2021-07-23 06:35:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-23 06:35:00 | Flight Counter                         |      |      | 2388                                       |
| 2021-07-23 06:35:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-23 06:35:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-23 06:35:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-23 06:35:00 | Fuel Flow                              | 1150 | 1141 |                                            |
| 2021-07-23 06:35:00 | Ground Speed                           |      |      | 460.9                                      |
| 2021-07-23 06:35:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-23 06:35:00 | Leg                                    |      |      | 2                                          |
| 2021-07-23 06:35:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-07-23 06:35:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-23 06:35:00 | N1 Indicated Fan Speed                 | 87.2 | 87.2 |                                            |
| 2021-07-23 06:35:00 | Oil Pressure                           | 44   | 45   |                                            |
| 2021-07-23 06:35:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-23 06:35:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-23 06:35:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-23 06:35:00 | Temperature Static Air                 |      |      | -44                                        |
| 2021-07-23 06:35:00 | Throttle Lever Angle                   | 61.1 | 61.1 |                                            |
| 2021-07-23 06:35:00 | Time GE Received                       |      |      | 07:46:10                                   |
| 2021-07-23 06:35:00 | Time Of Report                         |      |      | 06:35:00                                   |
| 2021-07-23 06:35:00 | Total Air Temperature Aircraft         |      |      | -17.5                                      |
| 2021-07-23 06:35:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 06:35:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 06:35:00 | Vibration N1 #1 Bearing                | 0.16 | 0.08 |                                            |
| 2021-07-23 06:35:00 | Vibration N1 Phase Angle #1 Bearing    | 173  | 58   |                                            |
| 2021-07-23 06:35:00 | Vibration N1 Phase Angle Turbine Frame | 113  | 64   |                                            |
| 2021-07-23 06:35:00 | Vibration N1 Turbine Frame             | 0.51 | 0.24 |                                            |
| 2021-07-23 06:35:00 | Vibration N2 #1 Bearing                | 0.05 | 0.08 |                                            |
| 2021-07-23 06:35:00 | Vibration N2 Turbine Frame             | 0.05 | 0.1  |                                            |
| 2021-07-23 02:09:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-07-23 02:09:00 | (1)                                    |      |      | 263                                        |
| 2021-07-23 02:09:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-23 02:09:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-23 02:09:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-23 02:09:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-23 02:09:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-23 02:09:00 | Air Conditioning Pack 2                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-23 02:09:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-23 02:09:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-23 02:09:00 | Air Speed Indicated                    |      |      | 256.7                                      |
| 2021-07-23 02:09:00 | Aircraft Gross Weight                  |      |      | 65408                                      |
| 2021-07-23 02:09:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-23 02:09:00 | Altitude                               |      |      | 35103                                      |
| 2021-07-23 02:09:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-23 02:09:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-23 02:09:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-23 02:09:00 | Core Speed                             | 93.8 | 93.4 |                                            |
| 2021-07-23 02:09:00 | Date GE Received                       |      |      | 07/23/2021                                 |
| 2021-07-23 02:09:00 | Date of Report                         |      |      | 07/23/2021                                 |
| 2021-07-23 02:09:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-23 02:09:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-23 02:09:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-23 02:09:00 | EGT Exhaust Gas Temperature            | 666  | 677  |                                            |
| 2021-07-23 02:09:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-23 02:09:00 | Flight Counter                         |      |      | 2493                                       |
| 2021-07-23 02:09:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-23 02:09:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-23 02:09:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-23 02:09:00 | Fuel Flow                              | 1183 | 1177 |                                            |
| 2021-07-23 02:09:00 | Ground Speed                           |      |      | 457.2                                      |
| 2021-07-23 02:09:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-23 02:09:00 | Leg                                    |      |      | 1                                          |
| 2021-07-23 02:09:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-07-23 02:09:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-23 02:09:00 | N1 Indicated Fan Speed                 | 88.5 | 88.4 |                                            |
| 2021-07-23 02:09:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-23 02:09:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-23 02:09:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-23 02:09:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-23 02:09:00 | Temperature Static Air                 |      |      | -39.8                                      |
| 2021-07-23 02:09:00 | Throttle Lever Angle                   | 62.3 | 62.3 |                                            |
| 2021-07-23 02:09:00 | Time GE Received                       |      |      | 03:17:08                                   |
| 2021-07-23 02:09:00 | Time Of Report                         |      |      | 02:09:00                                   |
| 2021-07-23 02:09:00 | Total Air Temperature Aircraft         |      |      | -12.7                                      |
| 2021-07-23 02:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 02:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-23 02:09:00 | Vibration N1 #1 Bearing                | 0.25 | 0.08 |                                            |
| 2021-07-23 02:09:00 | Vibration N1 Phase Angle #1 Bearing    | 124  | 87   |                                            |
| 2021-07-23 02:09:00 | Vibration N1 Phase Angle Turbine Frame | 141  | 83   |                                            |
| 2021-07-23 02:09:00 | Vibration N1 Turbine Frame             | 0.41 | 0.25 |                                            |
| 2021-07-23 02:09:00 | Vibration N2 #1 Bearing                | 0.02 | 0.12 |                                            |
| 2021-07-23 02:09:00 | Vibration N2 Turbine Frame             | 0.06 | 0.14 |                                            |
| 2021-07-22 08:55:00 | (1)                                    |      |      | 61.7                                       |
| 2021-07-22 08:55:00 | (1)                                    |      |      | 21                                         |
| 2021-07-22 08:55:00 | A/I Valve Position Nacelle             | 1    | 1    | 890                                        |
| 2021-07-22 08:55:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-22 08:55:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-22 08:55:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-22 08:55:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-22 08:55:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-22 08:55:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-22 08:55:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-22 08:55:00 | Air Speed Indicated                    |      |      | 284.9                                      |
| 2021-07-22 08:55:00 | Aircraft Gross Weight                  |      |      | 58840                                      |
| 2021-07-22 08:55:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-22 08:55:00 | Altitude                               |      |      | 27597                                      |
| 2021-07-22 08:55:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-22 08:55:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-22 08:55:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-22 08:55:00 | Core Speed                             | 94.6 | 94.5 |                                            |
| 2021-07-22 08:55:00 | Date GE Received                       |      |      | 07/22/2021                                 |
| 2021-07-22 08:55:00 | Date of Report                         |      |      | 07/22/2021                                 |
| 2021-07-22 08:55:00 | Departure Station                      |      |      | ZGN                                        |
| 2021-07-22 08:55:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-22 08:55:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-22 08:55:00 | EGT Exhaust Gas Temperature            | 656  | 658  |                                            |
| 2021-07-22 08:55:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-22 08:55:00 | Flight Counter                         |      |      | 573                                        |
| 2021-07-22 08:55:00 | Flight Number ACARS                    |      |      | 5890                                       |
| 2021-07-22 08:55:00 | Flight Number ACMS                     |      |      | 5890                                       |
| 2021-07-22 08:55:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-22 08:55:00 | Fuel Flow                              | 1300 | 1288 |                                            |
| 2021-07-22 08:55:00 | Ground Speed                           |      |      | 460.3                                      |
| 2021-07-22 08:55:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-22 08:55:00 | Leg                                    |      |      | 1                                          |
| 2021-07-22 08:55:00 | Mach Number                            |      |      | 0.719                                      |
| 2021-07-22 08:55:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-22 08:55:00 | N1 Indicated Fan Speed                 | 84.9 | 84.9 |                                            |
| 2021-07-22 08:55:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-07-22 08:55:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-22 08:55:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-22 08:55:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-22 08:55:00 | Temperature Static Air                 |      |      | -19                                        |
| 2021-07-22 08:55:00 | Throttle Lever Angle                   | 61.7 | 61.7 |                                            |
| 2021-07-22 08:55:00 | Time GE Received                       |      |      | 09:25:17                                   |
| 2021-07-22 08:55:00 | Time Of Report                         |      |      | 08:55:00                                   |
| 2021-07-22 08:55:00 | Total Air Temperature Aircraft         |      |      | 7.3                                        |
| 2021-07-22 08:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-22 08:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-22 08:55:00 | Vibration N1 #1 Bearing                | 0.13 | 0.15 |                                            |
| 2021-07-22 08:55:00 | Vibration N1 Phase Angle #1 Bearing    | 121  | 81   |                                            |
| 2021-07-22 08:55:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 88   |                                            |
| 2021-07-22 08:55:00 | Vibration N1 Turbine Frame             | 0.37 | 0.29 |                                            |
| 2021-07-22 08:55:00 | Vibration N2 #1 Bearing                | 0.06 | 0.17 |                                            |
| 2021-07-22 08:55:00 | Vibration N2 Turbine Frame             | 0.09 | 0.06 |                                            |
| 2021-07-22 06:29:00 | (1)                                    |      | 60.9 | 21                                         |
| 2021-07-22 06:29:00 | (1)                                    |      |      | 889                                        |
| 2021-07-22 06:29:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-22 06:29:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-22 06:29:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-22 06:29:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-22 06:29:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-22 06:29:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-22 06:29:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-22 06:29:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-22 06:29:00 | Air Speed Indicated                    |      |      | 293.8                                      |
| 2021-07-22 06:29:00 | Aircraft Gross Weight                  |      |      | 61416                                      |
| 2021-07-22 06:29:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-22 06:29:00 | Altitude                               |      |      | 24604                                      |
| 2021-07-22 06:29:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-22 06:29:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-22 06:29:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-22 06:29:00 | Core Speed                             | 94.5 | 94.4 |                                            |
| 2021-07-22 06:29:00 | Date GE Received                       |      |      | 07/22/2021                                 |
| 2021-07-22 06:29:00 | Date of Report                         |      |      | 07/22/2021                                 |
| 2021-07-22 06:29:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-22 06:29:00 | Destination Station                    |      |      | ZGN                                        |
| 2021-07-22 06:29:00 | Downlink Ground Station                |      |      | NNG                                        |
| 2021-07-22 06:29:00 | EGT Exhaust Gas Temperature            | 645  | 648  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-22 06:29:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-22 06:29:00 | Flight Counter                         |      |      | 2494                                       |
| 2021-07-22 06:29:00 | Flight Number ACARS                    |      |      | 5889                                       |
| 2021-07-22 06:29:00 | Flight Number ACMS                     |      |      | 5889                                       |
| 2021-07-22 06:29:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-22 06:29:00 | Fuel Flow                              | 1367 | 1349 |                                            |
| 2021-07-22 06:29:00 | Ground Speed                           |      |      | 434.1                                      |
| 2021-07-22 06:29:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-22 06:29:00 | Leg                                    |      |      | 1                                          |
| 2021-07-22 06:29:00 | Mach Number                            |      |      | 0.698                                      |
| 2021-07-22 06:29:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-22 06:29:00 | N1 Indicated Fan Speed                 | 84   | 84   |                                            |
| 2021-07-22 06:29:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-07-22 06:29:00 | Oil Temperature                        | 108  | 108  |                                            |
| 2021-07-22 06:29:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-22 06:29:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-22 06:29:00 | Temperature Static Air                 |      |      | -13.2                                      |
| 2021-07-22 06:29:00 | Throttle Lever Angle                   | 60.9 | 60.9 |                                            |
| 2021-07-22 06:29:00 | Time GE Received                       |      |      | 06:59:59                                   |
| 2021-07-22 06:29:00 | Time Of Report                         |      |      | 06:29:00                                   |
| 2021-07-22 06:29:00 | Total Air Temperature Aircraft         |      |      | 12.3                                       |
| 2021-07-22 06:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-22 06:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-22 06:29:00 | Vibration N1 #1 Bearing                | 0.09 | 0.11 |                                            |
| 2021-07-22 06:29:00 | Vibration N1 Phase Angle #1 Bearing    | 104  | 79   |                                            |
| 2021-07-22 06:29:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 86   |                                            |
| 2021-07-22 06:29:00 | Vibration N1 Turbine Frame             | 0.26 | 0.23 |                                            |
| 2021-07-22 06:29:00 | Vibration N2 #1 Bearing                | 0.04 | 0.21 |                                            |
| 2021-07-22 06:29:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |
| 2021-07-22 02:45:00 | (1)                                    |      | 60.5 | 21                                         |
| 2021-07-22 02:45:00 | (1)                                    |      |      | 752                                        |
| 2021-07-22 02:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-22 02:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-22 02:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-22 02:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-22 02:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-22 02:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-22 02:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-22 02:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-22 02:45:00 | Air Speed Indicated                    |      |      | 280                                        |
| 2021-07-22 02:45:00 | Aircraft Gross Weight                  |      |      | 67512                                      |
| 2021-07-22 02:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-22 02:45:00 | Altitude                               |      |      | 25603                                      |
| 2021-07-22 02:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-22 02:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-22 02:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-22 02:45:00 | Core Speed                             | 93.9 | 93.8 |                                            |
| 2021-07-22 02:45:00 | Date GE Received                       |      |      | 07/22/2021                                 |
| 2021-07-22 02:45:00 | Date of Report                         |      |      | 07/22/2021                                 |
| 2021-07-22 02:45:00 | Departure Station                      |      |      | ZBT                                        |
| 2021-07-22 02:45:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-22 02:45:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-22 02:45:00 | EGT Exhaust Gas Temperature            | 643  | 643  |                                            |
| 2021-07-22 02:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-22 02:45:00 | Flight Counter                         |      |      | 3222                                       |
| 2021-07-22 02:45:00 | Flight Number ACARS                    |      |      | 5752                                       |
| 2021-07-22 02:45:00 | Flight Number ACMS                     |      |      | 5752                                       |
| 2021-07-22 02:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-22 02:45:00 | Fuel Flow                              | 1324 | 1315 |                                            |
| 2021-07-22 02:45:00 | Ground Speed                           |      |      | 425.1                                      |
| 2021-07-22 02:45:00 | Isolation valve left                   |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-22 02:45:00 | Leg                                    |      |      | 1                                          |
| 2021-07-22 02:45:00 | Mach Number                            |      |      | 0.68                                       |
| 2021-07-22 02:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-22 02:45:00 | N1 Indicated Fan Speed                 | 84   | 84   |                                            |
| 2021-07-22 02:45:00 | Oil Pressure                           | 46   | 49   |                                            |
| 2021-07-22 02:45:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-22 02:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-22 02:45:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-22 02:45:00 | Temperature Static Air                 |      |      | -17.5                                      |
| 2021-07-22 02:45:00 | Throttle Lever Angle                   | 60.5 | 60.5 |                                            |
| 2021-07-22 02:45:00 | Time GE Received                       |      |      | 04:38:53                                   |
| 2021-07-22 02:45:00 | Time Of Report                         |      |      | 02:45:00                                   |
| 2021-07-22 02:45:00 | Total Air Temperature Aircraft         |      |      | 6.3                                        |
| 2021-07-22 02:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-22 02:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-22 02:45:00 | Vibration N1 #1 Bearing                | 0.12 | 0.11 |                                            |
| 2021-07-22 02:45:00 | Vibration N1 Phase Angle #1 Bearing    | 174  | 81   |                                            |
| 2021-07-22 02:45:00 | Vibration N1 Phase Angle Turbine Frame | 85   | 86   |                                            |
| 2021-07-22 02:45:00 | Vibration N1 Turbine Frame             | 0.47 | 0.26 |                                            |
| 2021-07-22 02:45:00 | Vibration N2 #1 Bearing                | 0.01 | 0.18 |                                            |
| 2021-07-22 02:45:00 | Vibration N2 Turbine Frame             | 0.04 | 0.11 |                                            |
| 2021-07-21 20:41:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-07-21 20:41:00 | (1)                                    |      |      | 751                                        |
| 2021-07-21 20:41:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-21 20:41:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-21 20:41:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-21 20:41:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-21 20:41:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-21 20:41:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-21 20:41:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-21 20:41:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-21 20:41:00 | Air Speed Indicated                    |      |      | 258.7                                      |
| 2021-07-21 20:41:00 | Aircraft Gross Weight                  |      |      | 65625                                      |
| 2021-07-21 20:41:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-21 20:41:00 | Altitude                               |      |      | 35104                                      |
| 2021-07-21 20:41:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-21 20:41:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-21 20:41:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-21 20:41:00 | Core Speed                             | 93.9 | 93.5 |                                            |
| 2021-07-21 20:41:00 | Date GE Received                       |      |      | 07/21/2021                                 |
| 2021-07-21 20:41:00 | Date of Report                         |      |      | 07/21/2021                                 |
| 2021-07-21 20:41:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-21 20:41:00 | Destination Station                    |      |      | ZBT                                        |
| 2021-07-21 20:41:00 | Downlink Ground Station                |      |      | TSN                                        |
| 2021-07-21 20:41:00 | EGT Exhaust Gas Temperature            | 675  | 679  |                                            |
| 2021-07-21 20:41:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-21 20:41:00 | Flight Counter                         |      |      | 1859                                       |
| 2021-07-21 20:41:00 | Flight Number ACARS                    |      |      | 5751                                       |
| 2021-07-21 20:41:00 | Flight Number ACMS                     |      |      | 5751                                       |
| 2021-07-21 20:41:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-21 20:41:00 | Fuel Flow                              | 1220 | 1207 |                                            |
| 2021-07-21 20:41:00 | Ground Speed                           |      |      | 455.3                                      |
| 2021-07-21 20:41:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-21 20:41:00 | Leg                                    |      |      | 1                                          |
| 2021-07-21 20:41:00 | Mach Number                            |      |      | 0.767                                      |
| 2021-07-21 20:41:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-21 20:41:00 | N1 Indicated Fan Speed                 | 89   | 89.1 |                                            |
| 2021-07-21 20:41:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-21 20:41:00 | Oil Temperature                        | 108  | 107  |                                            |
| 2021-07-21 20:41:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-21 20:41:00 | Software ID ACMS                       |      |      | A85 28                                     |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-21 20:41:00 | Temperature Static Air                 |      |      | -40                                        |
| 2021-07-21 20:41:00 | Throttle Lever Angle                   | 62.6 | 62.7 |                                            |
| 2021-07-21 20:41:00 | Time GE Received                       |      |      | 22:13:41                                   |
| 2021-07-21 20:41:00 | Time Of Report                         |      |      | 20:41:00                                   |
| 2021-07-21 20:41:00 | Total Air Temperature Aircraft         |      |      | -12.5                                      |
| 2021-07-21 20:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 20:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 20:41:00 | Vibration N1 #1 Bearing                | 0.22 | 0.13 |                                            |
| 2021-07-21 20:41:00 | Vibration N1 Phase Angle #1 Bearing    | 153  | 75   |                                            |
| 2021-07-21 20:41:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 91   |                                            |
| 2021-07-21 20:41:00 | Vibration N1 Turbine Frame             | 0.58 | 0.24 |                                            |
| 2021-07-21 20:41:00 | Vibration N2 #1 Bearing                | 0.01 | 0.12 |                                            |
| 2021-07-21 20:41:00 | Vibration N2 Turbine Frame             | 0.04 | 0.11 |                                            |
| 2021-07-21 10:28:00 | (1)                                    |      | 61.3 | 21                                         |
| 2021-07-21 10:28:00 | (1)                                    |      |      | 814                                        |
| 2021-07-21 10:28:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-21 10:28:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-21 10:28:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-21 10:28:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-21 10:28:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-21 10:28:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-21 10:28:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-21 10:28:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-21 10:28:00 | Air Speed Indicated                    |      |      | 277.1                                      |
| 2021-07-21 10:28:00 | Aircraft Gross Weight                  |      |      | 59003                                      |
| 2021-07-21 10:28:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-21 10:28:00 | Altitude                               |      |      | 30101                                      |
| 2021-07-21 10:28:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-21 10:28:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-21 10:28:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-21 10:28:00 | Core Speed                             | 94.1 | 93.8 |                                            |
| 2021-07-21 10:28:00 | Date GE Received                       |      |      | 07/21/2021                                 |
| 2021-07-21 10:28:00 | Date of Report                         |      |      | 07/21/2021                                 |
| 2021-07-21 10:28:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-21 10:28:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-21 10:28:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-21 10:28:00 | EGT Exhaust Gas Temperature            | 655  | 664  |                                            |
| 2021-07-21 10:28:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-21 10:28:00 | Flight Counter                         |      |      | 2290                                       |
| 2021-07-21 10:28:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-07-21 10:28:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-07-21 10:28:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-21 10:28:00 | Fuel Flow                              | 1243 | 1244 |                                            |
| 2021-07-21 10:28:00 | Ground Speed                           |      |      | 460                                        |
| 2021-07-21 10:28:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-21 10:28:00 | Leg                                    |      |      | 1                                          |
| 2021-07-21 10:28:00 | Mach Number                            |      |      | 0.737                                      |
| 2021-07-21 10:28:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-21 10:28:00 | N1 Indicated Fan Speed                 | 85.8 | 85.8 |                                            |
| 2021-07-21 10:28:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-21 10:28:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-07-21 10:28:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-21 10:28:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-21 10:28:00 | Temperature Static Air                 |      |      | -26                                        |
| 2021-07-21 10:28:00 | Throttle Lever Angle                   | 61.3 | 61.3 |                                            |
| 2021-07-21 10:28:00 | Time GE Received                       |      |      | 12:45:15                                   |
| 2021-07-21 10:28:00 | Time Of Report                         |      |      | 10:28:00                                   |
| 2021-07-21 10:28:00 | Total Air Temperature Aircraft         |      |      | 1                                          |
| 2021-07-21 10:28:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 10:28:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 10:28:00 | Vibration N1 #1 Bearing                | 0.17 | 0.06 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-21 10:28:00 | Vibration N1 Phase Angle #1 Bearing    | 114  | 62   |                                            |
| 2021-07-21 10:28:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 60   |                                            |
| 2021-07-21 10:28:00 | Vibration N1 Turbine Frame             | 0.36 | 0.26 |                                            |
| 2021-07-21 10:28:00 | Vibration N2 #1 Bearing                | 0.04 | 0.14 |                                            |
| 2021-07-21 10:28:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-07-21 07:10:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-07-21 07:10:00 | (1)                                    |      |      | 157                                        |
| 2021-07-21 07:10:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-21 07:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-21 07:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-21 07:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-21 07:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-21 07:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-21 07:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-21 07:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-21 07:10:00 | Air Speed Indicated                    |      |      | 283.9                                      |
| 2021-07-21 07:10:00 | Aircraft Gross Weight                  |      |      | 65371                                      |
| 2021-07-21 07:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-21 07:10:00 | Altitude                               |      |      | 29098                                      |
| 2021-07-21 07:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-21 07:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-21 07:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-21 07:10:00 | Core Speed                             | 94.8 | 94.7 |                                            |
| 2021-07-21 07:10:00 | Date GE Received                       |      |      | 07/21/2021                                 |
| 2021-07-21 07:10:00 | Date of Report                         |      |      | 07/21/2021                                 |
| 2021-07-21 07:10:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-21 07:10:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-21 07:10:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-07-21 07:10:00 | EGT Exhaust Gas Temperature            | 666  | 664  |                                            |
| 2021-07-21 07:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-21 07:10:00 | Flight Counter                         |      |      | 3423                                       |
| 2021-07-21 07:10:00 | Flight Number ACARS                    |      |      | 2157                                       |
| 2021-07-21 07:10:00 | Flight Number ACMS                     |      |      | 2157                                       |
| 2021-07-21 07:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-21 07:10:00 | Fuel Flow                              | 1343 | 1325 |                                            |
| 2021-07-21 07:10:00 | Ground Speed                           |      |      | 475.4                                      |
| 2021-07-21 07:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-21 07:10:00 | Leg                                    |      |      | 1                                          |
| 2021-07-21 07:10:00 | Mach Number                            |      |      | 0.738                                      |
| 2021-07-21 07:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-21 07:10:00 | N1 Indicated Fan Speed                 | 86.7 | 86.7 |                                            |
| 2021-07-21 07:10:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-21 07:10:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-07-21 07:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-21 07:10:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-21 07:10:00 | Temperature Static Air                 |      |      | -25                                        |
| 2021-07-21 07:10:00 | Throttle Lever Angle                   | 62.5 | 62.5 |                                            |
| 2021-07-21 07:10:00 | Time GE Received                       |      |      | 08:18:02                                   |
| 2021-07-21 07:10:00 | Time Of Report                         |      |      | 07:10:00                                   |
| 2021-07-21 07:10:00 | Total Air Temperature Aircraft         |      |      | 2.3                                        |
| 2021-07-21 07:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 07:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 07:10:00 | Vibration N1 #1 Bearing                | 0.25 | 0.22 |                                            |
| 2021-07-21 07:10:00 | Vibration N1 Phase Angle #1 Bearing    | 107  | 86   |                                            |
| 2021-07-21 07:10:00 | Vibration N1 Phase Angle Turbine Frame | 130  | 96   |                                            |
| 2021-07-21 07:10:00 | Vibration N1 Turbine Frame             | 0.43 | 0.37 |                                            |
| 2021-07-21 07:10:00 | Vibration N2 #1 Bearing                | 0.04 | 0.15 |                                            |
| 2021-07-21 07:10:00 | Vibration N2 Turbine Frame             | 0.08 | 0.03 |                                            |
| 2021-07-21 03:16:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-07-21 03:16:00 | (1)                                    |      |      | 152                                        |
| 2021-07-21 03:16:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-21 03:16:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-21 03:16:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-21 03:16:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-21 03:16:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-21 03:16:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-21 03:16:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-21 03:16:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-21 03:16:00 | Air Speed Indicated                    |      |      | 284.9                                      |
| 2021-07-21 03:16:00 | Aircraft Gross Weight                  |      |      | 67458                                      |
| 2021-07-21 03:16:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-21 03:16:00 | Altitude                               |      |      | 30102                                      |
| 2021-07-21 03:16:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-21 03:16:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-21 03:16:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-21 03:16:00 | Core Speed                             | 94.9 | 94.8 |                                            |
| 2021-07-21 03:16:00 | Date GE Received                       |      |      | 07/21/2021                                 |
| 2021-07-21 03:16:00 | Date of Report                         |      |      | 07/21/2021                                 |
| 2021-07-21 03:16:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-21 03:16:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-21 03:16:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-21 03:16:00 | EGT Exhaust Gas Temperature            | 669  | 667  |                                            |
| 2021-07-21 03:16:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-21 03:16:00 | Flight Counter                         |      |      | 4016                                       |
| 2021-07-21 03:16:00 | Flight Number ACARS                    |      |      | 2152                                       |
| 2021-07-21 03:16:00 | Flight Number ACMS                     |      |      | 2152                                       |
| 2021-07-21 03:16:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-21 03:16:00 | Fuel Flow                              | 1369 | 1344 |                                            |
| 2021-07-21 03:16:00 | Ground Speed                           |      |      | 461.6                                      |
| 2021-07-21 03:16:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-21 03:16:00 | Leg                                    |      |      | 1                                          |
| 2021-07-21 03:16:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-07-21 03:16:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-21 03:16:00 | N1 Indicated Fan Speed                 | 88   | 87.9 |                                            |
| 2021-07-21 03:16:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-21 03:16:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-07-21 03:16:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-21 03:16:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-21 03:16:00 | Temperature Static Air                 |      |      | -27.7                                      |
| 2021-07-21 03:16:00 | Throttle Lever Angle                   | 62.7 | 62.6 |                                            |
| 2021-07-21 03:16:00 | Time GE Received                       |      |      | 04:32:28                                   |
| 2021-07-21 03:16:00 | Time Of Report                         |      |      | 03:16:00                                   |
| 2021-07-21 03:16:00 | Total Air Temperature Aircraft         |      |      | 0.3                                        |
| 2021-07-21 03:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 03:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-21 03:16:00 | Vibration N1 #1 Bearing                | 0.28 | 0.25 |                                            |
| 2021-07-21 03:16:00 | Vibration N1 Phase Angle #1 Bearing    | 136  | 83   |                                            |
| 2021-07-21 03:16:00 | Vibration N1 Phase Angle Turbine Frame | 113  | 110  |                                            |
| 2021-07-21 03:16:00 | Vibration N1 Turbine Frame             | 0.52 | 0.4  |                                            |
| 2021-07-21 03:16:00 | Vibration N2 #1 Bearing                | 0.05 | 0.25 |                                            |
| 2021-07-21 03:16:00 | Vibration N2 Turbine Frame             | 0.12 | 0.09 |                                            |
| 2021-07-20 13:04:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-07-20 13:04:00 | (1)                                    |      |      | 813                                        |
| 2021-07-20 13:04:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-20 13:04:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-20 13:04:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-20 13:04:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-20 13:04:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-20 13:04:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-20 13:04:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-20 13:04:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-20 13:04:00 | Air Speed Indicated                    |      |      | 255.7                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-20 13:04:00 | Aircraft Gross Weight                  |      |      | 57969                                      |
| 2021-07-20 13:04:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-20 13:04:00 | Altitude                               |      |      | 35110                                      |
| 2021-07-20 13:04:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-20 13:04:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-20 13:04:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-20 13:04:00 | Core Speed                             | 93.2 | 92.9 |                                            |
| 2021-07-20 13:04:00 | Date GE Received                       |      |      | 07/20/2021                                 |
| 2021-07-20 13:04:00 | Date of Report                         |      |      | 07/20/2021                                 |
| 2021-07-20 13:04:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-20 13:04:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-20 13:04:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-07-20 13:04:00 | EGT Exhaust Gas Temperature            | 651  | 659  |                                            |
| 2021-07-20 13:04:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-20 13:04:00 | Flight Counter                         |      |      | 2247                                       |
| 2021-07-20 13:04:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-07-20 13:04:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-07-20 13:04:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-20 13:04:00 | Fuel Flow                              | 1127 | 1114 |                                            |
| 2021-07-20 13:04:00 | Ground Speed                           |      |      | 478.6                                      |
| 2021-07-20 13:04:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-20 13:04:00 | Leg                                    |      |      | 1                                          |
| 2021-07-20 13:04:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-07-20 13:04:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-20 13:04:00 | N1 Indicated Fan Speed                 | 87.2 | 87.2 |                                            |
| 2021-07-20 13:04:00 | Oil Pressure                           | 43   | 45   |                                            |
| 2021-07-20 13:04:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-20 13:04:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-20 13:04:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-20 13:04:00 | Temperature Static Air                 |      |      | -40                                        |
| 2021-07-20 13:04:00 | Throttle Lever Angle                   | 61.5 | 61.4 |                                            |
| 2021-07-20 13:04:00 | Time GE Received                       |      |      | 14:46:12                                   |
| 2021-07-20 13:04:00 | Time Of Report                         |      |      | 13:04:00                                   |
| 2021-07-20 13:04:00 | Total Air Temperature Aircraft         |      |      | -13                                        |
| 2021-07-20 13:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-20 13:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-20 13:04:00 | Vibration N1 #1 Bearing                | 0.16 | 0.09 |                                            |
| 2021-07-20 13:04:00 | Vibration N1 Phase Angle #1 Bearing    | 156  | 65   |                                            |
| 2021-07-20 13:04:00 | Vibration N1 Phase Angle Turbine Frame | 110  | 63   |                                            |
| 2021-07-20 13:04:00 | Vibration N1 Turbine Frame             | 0.52 | 0.23 |                                            |
| 2021-07-20 13:04:00 | Vibration N2 #1 Bearing                | 0.04 | 0.06 |                                            |
| 2021-07-20 13:04:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-07-20 06:59:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-07-20 06:59:00 | (1)                                    |      |      | 882                                        |
| 2021-07-20 06:59:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-20 06:59:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-20 06:59:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-20 06:59:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-20 06:59:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-20 06:59:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-20 06:59:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-20 06:59:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-20 06:59:00 | Air Speed Indicated                    |      |      | 263.1                                      |
| 2021-07-20 06:59:00 | Aircraft Gross Weight                  |      |      | 63466                                      |
| 2021-07-20 06:59:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-20 06:59:00 | Altitude                               |      |      | 34104                                      |
| 2021-07-20 06:59:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-20 06:59:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-20 06:59:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-20 06:59:00 | Core Speed                             | 94.1 | 93.8 |                                            |
| 2021-07-20 06:59:00 | Date GE Received                       |      |      | 07/20/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-20 06:59:00 | Date of Report                         |      |      | 07/20/2021                                 |
| 2021-07-20 06:59:00 | Departure Station                      |      |      | ZSA                                        |
| 2021-07-20 06:59:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-20 06:59:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-20 06:59:00 | EGT Exhaust Gas Temperature            | 664  | 674  |                                            |
| 2021-07-20 06:59:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-20 06:59:00 | Flight Counter                         |      |      | 1656                                       |
| 2021-07-20 06:59:00 | Flight Number ACARS                    |      |      | 5882                                       |
| 2021-07-20 06:59:00 | Flight Number ACMS                     |      |      | 5882                                       |
| 2021-07-20 06:59:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-20 06:59:00 | Fuel Flow                              | 1208 | 1197 |                                            |
| 2021-07-20 06:59:00 | Ground Speed                           |      |      | 453.7                                      |
| 2021-07-20 06:59:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-20 06:59:00 | Leg                                    |      |      | 1                                          |
| 2021-07-20 06:59:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-07-20 06:59:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-20 06:59:00 | N1 Indicated Fan Speed                 | 88.2 | 88.2 |                                            |
| 2021-07-20 06:59:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-20 06:59:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-07-20 06:59:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-20 06:59:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-20 06:59:00 | Temperature Static Air                 |      |      | -36.7                                      |
| 2021-07-20 06:59:00 | Throttle Lever Angle                   | 62.2 | 62.3 |                                            |
| 2021-07-20 06:59:00 | Time GE Received                       |      |      | 08:45:38                                   |
| 2021-07-20 06:59:00 | Time Of Report                         |      |      | 06:59:00                                   |
| 2021-07-20 06:59:00 | Total Air Temperature Aircraft         |      |      | -9.3                                       |
| 2021-07-20 06:59:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-20 06:59:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-20 06:59:00 | Vibration N1 #1 Bearing                | 0.28 | 0.12 |                                            |
| 2021-07-20 06:59:00 | Vibration N1 Phase Angle #1 Bearing    | 122  | 92   |                                            |
| 2021-07-20 06:59:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 100  |                                            |
| 2021-07-20 06:59:00 | Vibration N1 Turbine Frame             | 0.4  | 0.3  |                                            |
| 2021-07-20 06:59:00 | Vibration N2 #1 Bearing                | 0.01 | 0.14 |                                            |
| 2021-07-20 06:59:00 | Vibration N2 Turbine Frame             | 0.04 | 0.11 |                                            |
| 2021-07-20 02:41:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-20 02:41:00 | (1)                                    |      |      | 881                                        |
| 2021-07-20 02:41:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-20 02:41:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-20 02:41:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-20 02:41:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-20 02:41:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-20 02:41:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-20 02:41:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-20 02:41:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-20 02:41:00 | Air Speed Indicated                    |      |      | 254.8                                      |
| 2021-07-20 02:41:00 | Aircraft Gross Weight                  |      |      | 65281                                      |
| 2021-07-20 02:41:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-20 02:41:00 | Altitude                               |      |      | 35100                                      |
| 2021-07-20 02:41:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-20 02:41:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-20 02:41:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-20 02:41:00 | Core Speed                             | 93.4 | 93.2 |                                            |
| 2021-07-20 02:41:00 | Date GE Received                       |      |      | 07/20/2021                                 |
| 2021-07-20 02:41:00 | Date of Report                         |      |      | 07/20/2021                                 |
| 2021-07-20 02:41:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-20 02:41:00 | Destination Station                    |      |      | ZSA                                        |
| 2021-07-20 02:41:00 | Downlink Ground Station                |      |      | XMN                                        |
| 2021-07-20 02:41:00 | EGT Exhaust Gas Temperature            | 660  | 665  |                                            |
| 2021-07-20 02:41:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-20 02:41:00 | Flight Counter                         |      |      | 1886                                       |
| 2021-07-20 02:41:00 | Flight Number ACARS                    |      |      | 5881                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-20 02:41:00 | Flight Number ACMS                     |      |      | 5881                                       |
| 2021-07-20 02:41:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-20 02:41:00 | Fuel Flow                              | 1167 | 1155 |                                            |
| 2021-07-20 02:41:00 | Ground Speed                           |      |      | 466.4                                      |
| 2021-07-20 02:41:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-20 02:41:00 | Leg                                    |      |      | 1                                          |
| 2021-07-20 02:41:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-07-20 02:41:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-20 02:41:00 | N1 Indicated Fan Speed                 | 88   | 88.1 |                                            |
| 2021-07-20 02:41:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-20 02:41:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-20 02:41:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-20 02:41:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-20 02:41:00 | Temperature Static Air                 |      |      | -40                                        |
| 2021-07-20 02:41:00 | Throttle Lever Angle                   | 62   | 62.1 |                                            |
| 2021-07-20 02:41:00 | Time GE Received                       |      |      | 04:19:12                                   |
| 2021-07-20 02:41:00 | Time Of Report                         |      |      | 02:41:00                                   |
| 2021-07-20 02:41:00 | Total Air Temperature Aircraft         |      |      | -13.2                                      |
| 2021-07-20 02:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-20 02:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-20 02:41:00 | Vibration N1 #1 Bearing                | 0.22 | 0.07 |                                            |
| 2021-07-20 02:41:00 | Vibration N1 Phase Angle #1 Bearing    | 117  | 72   |                                            |
| 2021-07-20 02:41:00 | Vibration N1 Phase Angle Turbine Frame | 125  | 67   |                                            |
| 2021-07-20 02:41:00 | Vibration N1 Turbine Frame             | 0.34 | 0.25 |                                            |
| 2021-07-20 02:41:00 | Vibration N2 #1 Bearing                | 0.03 | 0.06 |                                            |
| 2021-07-20 02:41:00 | Vibration N2 Turbine Frame             | 0.06 | 0.06 |                                            |
| 2021-07-19 12:14:00 | (1)                                    |      | 60.1 | 21                                         |
| 2021-07-19 12:14:00 | (1)                                    |      |      | 36                                         |
| 2021-07-19 12:14:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-19 12:14:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-19 12:14:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-19 12:14:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-19 12:14:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-19 12:14:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-19 12:14:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-19 12:14:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-19 12:14:00 | Air Speed Indicated                    |      |      | 272.3                                      |
| 2021-07-19 12:14:00 | Aircraft Gross Weight                  |      |      | 51963                                      |
| 2021-07-19 12:14:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-19 12:14:00 | Altitude                               |      |      | 31003                                      |
| 2021-07-19 12:14:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-19 12:14:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-19 12:14:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-19 12:14:00 | Core Speed                             | 93   | 92.7 |                                            |
| 2021-07-19 12:14:00 | Date GE Received                       |      |      | 07/19/2021                                 |
| 2021-07-19 12:14:00 | Date of Report                         |      |      | 07/19/2021                                 |
| 2021-07-19 12:14:00 | Departure Station                      |      |      | VGH                                        |
| 2021-07-19 12:14:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-19 12:14:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-19 12:14:00 | EGT Exhaust Gas Temperature            | 635  | 643  |                                            |
| 2021-07-19 12:14:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-19 12:14:00 | Flight Counter                         |      |      | 3473                                       |
| 2021-07-19 12:14:00 | Flight Number ACARS                    |      |      | 2036                                       |
| 2021-07-19 12:14:00 | Flight Number ACMS                     |      |      | 2036                                       |
| 2021-07-19 12:14:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-19 12:14:00 | Fuel Flow                              | 1132 | 1126 |                                            |
| 2021-07-19 12:14:00 | Ground Speed                           |      |      | 438.6                                      |
| 2021-07-19 12:14:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-19 12:14:00 | Leg                                    |      |      | 1                                          |
| 2021-07-19 12:14:00 | Mach Number                            |      |      | 0.738                                      |
| 2021-07-19 12:14:00 | Message Type                           |      |      | CES B737NG CRZ                             |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-19 12:14:00 | N1 Indicated Fan Speed                 | 84.3 | 84.3 |                                            |
| 2021-07-19 12:14:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-19 12:14:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-19 12:14:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-19 12:14:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-19 12:14:00 | Temperature Static Air                 |      |      | -27.5                                      |
| 2021-07-19 12:14:00 | Throttle Lever Angle                   | 60.1 | 60.1 |                                            |
| 2021-07-19 12:14:00 | Time GE Received                       |      |      | 13:15:39                                   |
| 2021-07-19 12:14:00 | Time Of Report                         |      |      | 12:14:00                                   |
| 2021-07-19 12:14:00 | Total Air Temperature Aircraft         |      |      | -0.8                                       |
| 2021-07-19 12:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 12:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 12:14:00 | Vibration N1 #1 Bearing                | 0.1  | 0.05 |                                            |
| 2021-07-19 12:14:00 | Vibration N1 Phase Angle #1 Bearing    | 115  | 39   |                                            |
| 2021-07-19 12:14:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 45   |                                            |
| 2021-07-19 12:14:00 | Vibration N1 Turbine Frame             | 0.36 | 0.18 |                                            |
| 2021-07-19 12:14:00 | Vibration N2 #1 Bearing                | 0.03 | 0.09 |                                            |
| 2021-07-19 12:14:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-07-19 09:01:00 | (1)                                    |      | 63.2 | 21                                         |
| 2021-07-19 09:01:00 | (1)                                    |      |      | 35                                         |
| 2021-07-19 09:01:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-19 09:01:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-19 09:01:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-19 09:01:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-19 09:01:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-19 09:01:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-19 09:01:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-19 09:01:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-19 09:01:00 | Air Speed Indicated                    |      |      | 263                                        |
| 2021-07-19 09:01:00 | Aircraft Gross Weight                  |      |      | 61561                                      |
| 2021-07-19 09:01:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-19 09:01:00 | Altitude                               |      |      | 34005                                      |
| 2021-07-19 09:01:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-19 09:01:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-19 09:01:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-19 09:01:00 | Core Speed                             | 94.4 | 94.1 |                                            |
| 2021-07-19 09:01:00 | Date GE Received                       |      |      | 07/19/2021                                 |
| 2021-07-19 09:01:00 | Date of Report                         |      |      | 07/19/2021                                 |
| 2021-07-19 09:01:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-19 09:01:00 | Destination Station                    |      |      | VGH                                        |
| 2021-07-19 09:01:00 | Downlink Ground Station                |      |      | CCU                                        |
| 2021-07-19 09:01:00 | EGT Exhaust Gas Temperature            | 683  | 698  |                                            |
| 2021-07-19 09:01:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-19 09:01:00 | Flight Counter                         |      |      | 574                                        |
| 2021-07-19 09:01:00 | Flight Number ACARS                    |      |      | 2035                                       |
| 2021-07-19 09:01:00 | Flight Number ACMS                     |      |      | 2035                                       |
| 2021-07-19 09:01:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-19 09:01:00 | Fuel Flow                              | 1242 | 1240 |                                            |
| 2021-07-19 09:01:00 | Ground Speed                           |      |      | 468.5                                      |
| 2021-07-19 09:01:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-19 09:01:00 | Leg                                    |      |      | 1                                          |
| 2021-07-19 09:01:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-07-19 09:01:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-19 09:01:00 | N1 Indicated Fan Speed                 | 88.7 | 88.6 |                                            |
| 2021-07-19 09:01:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-19 09:01:00 | Oil Temperature                        | 108  | 107  |                                            |
| 2021-07-19 09:01:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-19 09:01:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-19 09:01:00 | Temperature Static Air                 |      |      | -35                                        |
| 2021-07-19 09:01:00 | Throttle Lever Angle                   | 63.3 | 63.2 |                                            |
| 2021-07-19 09:01:00 | Time GE Received                       |      |      | 09:46:53                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-19 09:01:00 | Time Of Report                         |      |      | 09:01:00                                   |
| 2021-07-19 09:01:00 | Total Air Temperature Aircraft         |      |      | -7.3                                       |
| 2021-07-19 09:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 09:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 09:01:00 | Vibration N1 #1 Bearing                | 0.2  | 0.07 |                                            |
| 2021-07-19 09:01:00 | Vibration N1 Phase Angle #1 Bearing    | 162  | 67   |                                            |
| 2021-07-19 09:01:00 | Vibration N1 Phase Angle Turbine Frame | 111  | 80   |                                            |
| 2021-07-19 09:01:00 | Vibration N1 Turbine Frame             | 0.51 | 0.24 |                                            |
| 2021-07-19 09:01:00 | Vibration N2 #1 Bearing                | 0.03 | 0.18 |                                            |
| 2021-07-19 09:01:00 | Vibration N2 Turbine Frame             | 0.1  | 0.11 |                                            |
| 2021-07-19 03:57:00 | (1)                                    |      | 59.7 | 21                                         |
| 2021-07-19 03:57:00 | (1)                                    |      |      | 864                                        |
| 2021-07-19 03:57:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-19 03:57:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-19 03:57:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-19 03:57:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-19 03:57:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-19 03:57:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-19 03:57:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-19 03:57:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-19 03:57:00 | Air Speed Indicated                    |      |      | 280.7                                      |
| 2021-07-19 03:57:00 | Aircraft Gross Weight                  |      |      | 63321                                      |
| 2021-07-19 03:57:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-19 03:57:00 | Altitude                               |      |      | 25600                                      |
| 2021-07-19 03:57:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-19 03:57:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-19 03:57:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-19 03:57:00 | Core Speed                             | 93.6 | 93.6 |                                            |
| 2021-07-19 03:57:00 | Date GE Received                       |      |      | 07/19/2021                                 |
| 2021-07-19 03:57:00 | Date of Report                         |      |      | 07/19/2021                                 |
| 2021-07-19 03:57:00 | Departure Station                      |      |      | ZSO                                        |
| 2021-07-19 03:57:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-19 03:57:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-19 03:57:00 | EGT Exhaust Gas Temperature            | 632  | 631  |                                            |
| 2021-07-19 03:57:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-19 03:57:00 | Flight Counter                         |      |      | 110                                        |
| 2021-07-19 03:57:00 | Flight Number ACARS                    |      |      | 7864                                       |
| 2021-07-19 03:57:00 | Flight Number ACMS                     |      |      | 7864                                       |
| 2021-07-19 03:57:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-19 03:57:00 | Fuel Flow                              | 1281 | 1264 |                                            |
| 2021-07-19 03:57:00 | Ground Speed                           |      |      | 423.6                                      |
| 2021-07-19 03:57:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-19 03:57:00 | Leg                                    |      |      | 1                                          |
| 2021-07-19 03:57:00 | Mach Number                            |      |      | 0.681                                      |
| 2021-07-19 03:57:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-19 03:57:00 | N1 Indicated Fan Speed                 | 83   | 82.9 |                                            |
| 2021-07-19 03:57:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-07-19 03:57:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-07-19 03:57:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-19 03:57:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-19 03:57:00 | Temperature Static Air                 |      |      | -17.7                                      |
| 2021-07-19 03:57:00 | Throttle Lever Angle                   | 59.8 | 59.7 |                                            |
| 2021-07-19 03:57:00 | Time GE Received                       |      |      | 05:45:01                                   |
| 2021-07-19 03:57:00 | Time Of Report                         |      |      | 03:57:00                                   |
| 2021-07-19 03:57:00 | Total Air Temperature Aircraft         |      |      | 6                                          |
| 2021-07-19 03:57:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 03:57:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 03:57:00 | Vibration N1 #1 Bearing                | 0.12 | 0.09 |                                            |
| 2021-07-19 03:57:00 | Vibration N1 Phase Angle #1 Bearing    | 160  | 67   |                                            |
| 2021-07-19 03:57:00 | Vibration N1 Phase Angle Turbine Frame | 86   | 67   |                                            |
| 2021-07-19 03:57:00 | Vibration N1 Turbine Frame             | 0.37 | 0.22 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-19 03:57:00 | Vibration N2 #1 Bearing                | 0.05 | 0.11 |                                            |
| 2021-07-19 03:57:00 | Vibration N2 Turbine Frame             | 0.1  | 0.1  |                                            |
| 2021-07-19 00:52:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-07-19 00:52:00 | (1)                                    |      |      | 863                                        |
| 2021-07-19 00:52:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-19 00:52:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-19 00:52:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-19 00:52:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-19 00:52:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-19 00:52:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-19 00:52:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-19 00:52:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-19 00:52:00 | Air Speed Indicated                    |      |      | 277.9                                      |
| 2021-07-19 00:52:00 | Aircraft Gross Weight                  |      |      | 62940                                      |
| 2021-07-19 00:52:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-19 00:52:00 | Altitude                               |      |      | 31105                                      |
| 2021-07-19 00:52:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-19 00:52:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-19 00:52:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-19 00:52:00 | Core Speed                             | 93.9 | 93.6 |                                            |
| 2021-07-19 00:52:00 | Date GE Received                       |      |      | 07/19/2021                                 |
| 2021-07-19 00:52:00 | Date of Report                         |      |      | 07/19/2021                                 |
| 2021-07-19 00:52:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-19 00:52:00 | Destination Station                    |      |      | ZSO                                        |
| 2021-07-19 00:52:00 | Downlink Ground Station                |      |      | HFE                                        |
| 2021-07-19 00:52:00 | EGT Exhaust Gas Temperature            | 655  | 664  |                                            |
| 2021-07-19 00:52:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-19 00:52:00 | Flight Counter                         |      |      | 1437                                       |
| 2021-07-19 00:52:00 | Flight Number ACARS                    |      |      | 7863                                       |
| 2021-07-19 00:52:00 | Flight Number ACMS                     |      |      | 7863                                       |
| 2021-07-19 00:52:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-19 00:52:00 | Fuel Flow                              | 1245 | 1244 |                                            |
| 2021-07-19 00:52:00 | Ground Speed                           |      |      | 459.8                                      |
| 2021-07-19 00:52:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-19 00:52:00 | Leg                                    |      |      | 1                                          |
| 2021-07-19 00:52:00 | Mach Number                            |      |      | 0.754                                      |
| 2021-07-19 00:52:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-19 00:52:00 | N1 Indicated Fan Speed                 | 86.5 | 86.5 |                                            |
| 2021-07-19 00:52:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-07-19 00:52:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-19 00:52:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-19 00:52:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-19 00:52:00 | Temperature Static Air                 |      |      | -29.8                                      |
| 2021-07-19 00:52:00 | Throttle Lever Angle                   | 61.5 | 61.5 |                                            |
| 2021-07-19 00:52:00 | Time GE Received                       |      |      | 02:10:30                                   |
| 2021-07-19 00:52:00 | Time Of Report                         |      |      | 00:52:00                                   |
| 2021-07-19 00:52:00 | Total Air Temperature Aircraft         |      |      | -2                                         |
| 2021-07-19 00:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 00:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-19 00:52:00 | Vibration N1 #1 Bearing                | 0.13 | 0.12 |                                            |
| 2021-07-19 00:52:00 | Vibration N1 Phase Angle #1 Bearing    | 165  | 75   |                                            |
| 2021-07-19 00:52:00 | Vibration N1 Phase Angle Turbine Frame | 100  | 81   |                                            |
| 2021-07-19 00:52:00 | Vibration N1 Turbine Frame             | 0.47 | 0.25 |                                            |
| 2021-07-19 00:52:00 | Vibration N2 #1 Bearing                | 0.04 | 0.17 |                                            |
| 2021-07-19 00:52:00 | Vibration N2 Turbine Frame             | 0.05 | 0.15 |                                            |
| 2021-07-18 14:11:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-07-18 14:11:00 | (1)                                    |      |      | 264                                        |
| 2021-07-18 14:11:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-18 14:11:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-18 14:11:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-18 14:11:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-18 14:11:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-18 14:11:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-18 14:11:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-18 14:11:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-18 14:11:00 | Air Speed Indicated                    |      |      | 275.5                                      |
| 2021-07-18 14:11:00 | Aircraft Gross Weight                  |      |      | 64464                                      |
| 2021-07-18 14:11:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-18 14:11:00 | Altitude                               |      |      | 32100                                      |
| 2021-07-18 14:11:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-18 14:11:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-18 14:11:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-18 14:11:00 | Core Speed                             | 94.8 | 94.7 |                                            |
| 2021-07-18 14:11:00 | Date GE Received                       |      |      | 07/18/2021                                 |
| 2021-07-18 14:11:00 | Date of Report                         |      |      | 07/18/2021                                 |
| 2021-07-18 14:11:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-18 14:11:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-18 14:11:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-18 14:11:00 | EGT Exhaust Gas Temperature            | 674  | 671  |                                            |
| 2021-07-18 14:11:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-18 14:11:00 | Flight Counter                         |      |      | 261                                        |
| 2021-07-18 14:11:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-18 14:11:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-18 14:11:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-18 14:11:00 | Fuel Flow                              | 1303 | 1286 |                                            |
| 2021-07-18 14:11:00 | Ground Speed                           |      |      | 447.1                                      |
| 2021-07-18 14:11:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-18 14:11:00 | Leg                                    |      |      | 2                                          |
| 2021-07-18 14:11:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-07-18 14:11:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-18 14:11:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-07-18 14:11:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-18 14:11:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-18 14:11:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-18 14:11:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-18 14:11:00 | Temperature Static Air                 |      |      | -31.3                                      |
| 2021-07-18 14:11:00 | Throttle Lever Angle                   | 62.8 | 62.9 |                                            |
| 2021-07-18 14:11:00 | Time GE Received                       |      |      | 15:08:13                                   |
| 2021-07-18 14:11:00 | Time Of Report                         |      |      | 14:11:00                                   |
| 2021-07-18 14:11:00 | Total Air Temperature Aircraft         |      |      | -3.3                                       |
| 2021-07-18 14:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 14:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 14:11:00 | Vibration N1 #1 Bearing                | 0.3  | 0.23 |                                            |
| 2021-07-18 14:11:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 72   |                                            |
| 2021-07-18 14:11:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 92   |                                            |
| 2021-07-18 14:11:00 | Vibration N1 Turbine Frame             | 0.46 | 0.35 |                                            |
| 2021-07-18 14:11:00 | Vibration N2 #1 Bearing                | 0.02 | 0.16 |                                            |
| 2021-07-18 14:11:00 | Vibration N2 Turbine Frame             | 0.05 | 0.05 |                                            |
| 2021-07-18 09:52:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-18 09:52:00 | (1)                                    |      |      | 264                                        |
| 2021-07-18 09:52:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-18 09:52:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-18 09:52:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-18 09:52:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-18 09:52:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-18 09:52:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-18 09:52:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-18 09:52:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-18 09:52:00 | Air Speed Indicated                    |      |      | 278.6                                      |
| 2021-07-18 09:52:00 | Aircraft Gross Weight                  |      |      | 67512                                      |
| 2021-07-18 09:52:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-18 09:52:00 | Altitude                               |      |      | 32100                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-18 09:52:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-18 09:52:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-18 09:52:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-18 09:52:00 | Core Speed                             | 94.2 | 94.2 |                                            |
| 2021-07-18 09:52:00 | Date GE Received                       |      |      | 07/18/2021                                 |
| 2021-07-18 09:52:00 | Date of Report                         |      |      | 07/18/2021                                 |
| 2021-07-18 09:52:00 | Departure Station                      |      |      | ZYT                                        |
| 2021-07-18 09:52:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-18 09:52:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-18 09:52:00 | EGT Exhaust Gas Temperature            | 658  | 660  |                                            |
| 2021-07-18 09:52:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-18 09:52:00 | Flight Counter                         |      |      | 485                                        |
| 2021-07-18 09:52:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-07-18 09:52:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-07-18 09:52:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-18 09:52:00 | Fuel Flow                              | 1297 | 1280 |                                            |
| 2021-07-18 09:52:00 | Ground Speed                           |      |      | 459.3                                      |
| 2021-07-18 09:52:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-18 09:52:00 | Leg                                    |      |      | 1                                          |
| 2021-07-18 09:52:00 | Mach Number                            |      |      | 0.771                                      |
| 2021-07-18 09:52:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-18 09:52:00 | N1 Indicated Fan Speed                 | 87.9 | 88   |                                            |
| 2021-07-18 09:52:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-18 09:52:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-07-18 09:52:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-18 09:52:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-18 09:52:00 | Temperature Static Air                 |      |      | -34.8                                      |
| 2021-07-18 09:52:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-07-18 09:52:00 | Time GE Received                       |      |      | 11:49:47                                   |
| 2021-07-18 09:52:00 | Time Of Report                         |      |      | 09:52:00                                   |
| 2021-07-18 09:52:00 | Total Air Temperature Aircraft         |      |      | -6.3                                       |
| 2021-07-18 09:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 09:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 09:52:00 | Vibration N1 #1 Bearing                | 0.24 | 0.24 |                                            |
| 2021-07-18 09:52:00 | Vibration N1 Phase Angle #1 Bearing    | 144  | 87   |                                            |
| 2021-07-18 09:52:00 | Vibration N1 Phase Angle Turbine Frame | 109  | 100  |                                            |
| 2021-07-18 09:52:00 | Vibration N1 Turbine Frame             | 0.46 | 0.36 |                                            |
| 2021-07-18 09:52:00 | Vibration N2 #1 Bearing                | 0.01 | 0.13 |                                            |
| 2021-07-18 09:52:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-07-18 06:26:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-07-18 06:26:00 | (1)                                    |      |      | 263                                        |
| 2021-07-18 06:26:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-18 06:26:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-18 06:26:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-18 06:26:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-18 06:26:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-18 06:26:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-18 06:26:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-18 06:26:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-18 06:26:00 | Air Speed Indicated                    |      |      | 271.9                                      |
| 2021-07-18 06:26:00 | Aircraft Gross Weight                  |      |      | 67204                                      |
| 2021-07-18 06:26:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-18 06:26:00 | Altitude                               |      |      | 33103                                      |
| 2021-07-18 06:26:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-18 06:26:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-18 06:26:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-18 06:26:00 | Core Speed                             | 94.5 | 94.3 |                                            |
| 2021-07-18 06:26:00 | Date GE Received                       |      |      | 07/18/2021                                 |
| 2021-07-18 06:26:00 | Date of Report                         |      |      | 07/18/2021                                 |
| 2021-07-18 06:26:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-07-18 06:26:00 | Destination Station                    |      |      | ZYT                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-18 06:26:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-07-18 06:26:00 | EGT Exhaust Gas Temperature            | 670  | 669  |                                            |
| 2021-07-18 06:26:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-18 06:26:00 | Flight Counter                         |      |      | 1493                                       |
| 2021-07-18 06:26:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-18 06:26:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-18 06:26:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-18 06:26:00 | Fuel Flow                              | 1283 | 1265 |                                            |
| 2021-07-18 06:26:00 | Ground Speed                           |      |      | 481.4                                      |
| 2021-07-18 06:26:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-18 06:26:00 | Leg                                    |      |      | 2                                          |
| 2021-07-18 06:26:00 | Mach Number                            |      |      | 0.77                                       |
| 2021-07-18 06:26:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-18 06:26:00 | N1 Indicated Fan Speed                 | 88.8 | 88.8 |                                            |
| 2021-07-18 06:26:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-07-18 06:26:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-18 06:26:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-18 06:26:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-18 06:26:00 | Temperature Static Air                 |      |      | -35.2                                      |
| 2021-07-18 06:26:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-07-18 06:26:00 | Time GE Received                       |      |      | 07:48:41                                   |
| 2021-07-18 06:26:00 | Time Of Report                         |      |      | 06:26:00                                   |
| 2021-07-18 06:26:00 | Total Air Temperature Aircraft         |      |      | -7                                         |
| 2021-07-18 06:26:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 06:26:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 06:26:00 | Vibration N1 #1 Bearing                | 0.38 | 0.22 |                                            |
| 2021-07-18 06:26:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 79   |                                            |
| 2021-07-18 06:26:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 98   |                                            |
| 2021-07-18 06:26:00 | Vibration N1 Turbine Frame             | 0.52 | 0.45 |                                            |
| 2021-07-18 06:26:00 | Vibration N2 #1 Bearing                | 0.03 | 0.13 |                                            |
| 2021-07-18 06:26:00 | Vibration N2 Turbine Frame             | 0.09 | 0.06 |                                            |
| 2021-07-18 02:33:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-07-18 02:33:00 | (1)                                    |      |      | 263                                        |
| 2021-07-18 02:33:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-18 02:33:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-18 02:33:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-18 02:33:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-18 02:33:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-18 02:33:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-18 02:33:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-18 02:33:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-18 02:33:00 | Air Speed Indicated                    |      |      | 254.3                                      |
| 2021-07-18 02:33:00 | Aircraft Gross Weight                  |      |      | 66913                                      |
| 2021-07-18 02:33:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-18 02:33:00 | Altitude                               |      |      | 35100                                      |
| 2021-07-18 02:33:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-18 02:33:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-18 02:33:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-18 02:33:00 | Core Speed                             | 94   | 93.6 |                                            |
| 2021-07-18 02:33:00 | Date GE Received                       |      |      | 07/18/2021                                 |
| 2021-07-18 02:33:00 | Date of Report                         |      |      | 07/18/2021                                 |
| 2021-07-18 02:33:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-18 02:33:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-07-18 02:33:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-07-18 02:33:00 | EGT Exhaust Gas Temperature            | 674  | 680  |                                            |
| 2021-07-18 02:33:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-18 02:33:00 | Flight Counter                         |      |      | 2090                                       |
| 2021-07-18 02:33:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-07-18 02:33:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-07-18 02:33:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-18 02:33:00 | Fuel Flow                              | 1223 | 1209 |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-18 02:33:00 | Ground Speed                           |      |      | 415.9                                      |
| 2021-07-18 02:33:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-18 02:33:00 | Leg                                    |      |      | 1                                          |
| 2021-07-18 02:33:00 | Mach Number                            |      |      | 0.755                                      |
| 2021-07-18 02:33:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-18 02:33:00 | N1 Indicated Fan Speed                 | 89.3 | 89.3 |                                            |
| 2021-07-18 02:33:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-18 02:33:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-07-18 02:33:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-18 02:33:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-18 02:33:00 | Temperature Static Air                 |      |      | -40                                        |
| 2021-07-18 02:33:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-07-18 02:33:00 | Time GE Received                       |      |      | 03:32:15                                   |
| 2021-07-18 02:33:00 | Time Of Report                         |      |      | 02:33:00                                   |
| 2021-07-18 02:33:00 | Total Air Temperature Aircraft         |      |      | -13.5                                      |
| 2021-07-18 02:33:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 02:33:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-18 02:33:00 | Vibration N1 #1 Bearing                | 0.32 | 0.14 |                                            |
| 2021-07-18 02:33:00 | Vibration N1 Phase Angle #1 Bearing    | 106  | 84   |                                            |
| 2021-07-18 02:33:00 | Vibration N1 Phase Angle Turbine Frame | 117  | 88   |                                            |
| 2021-07-18 02:33:00 | Vibration N1 Turbine Frame             | 0.4  | 0.26 |                                            |
| 2021-07-18 02:33:00 | Vibration N2 #1 Bearing                | 0.02 | 0.11 |                                            |
| 2021-07-18 02:33:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-07-17 13:45:00 | (1)                                    |      | 62.4 | 21                                         |
| 2021-07-17 13:45:00 | (1)                                    |      |      | 810                                        |
| 2021-07-17 13:45:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-17 13:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-17 13:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-17 13:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-17 13:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-17 13:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-17 13:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-17 13:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-17 13:45:00 | Air Speed Indicated                    |      |      | 260.1                                      |
| 2021-07-17 13:45:00 | Aircraft Gross Weight                  |      |      | 62414                                      |
| 2021-07-17 13:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-17 13:45:00 | Altitude                               |      |      | 34102                                      |
| 2021-07-17 13:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-17 13:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-17 13:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-17 13:45:00 | Core Speed                             | 93.8 | 93.4 |                                            |
| 2021-07-17 13:45:00 | Date GE Received                       |      |      | 07/17/2021                                 |
| 2021-07-17 13:45:00 | Date of Report                         |      |      | 07/17/2021                                 |
| 2021-07-17 13:45:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-17 13:45:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-17 13:45:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-17 13:45:00 | EGT Exhaust Gas Temperature            | 667  | 686  |                                            |
| 2021-07-17 13:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-17 13:45:00 | Flight Counter                         |      |      | 1902                                       |
| 2021-07-17 13:45:00 | Flight Number ACARS                    |      |      | 5810                                       |
| 2021-07-17 13:45:00 | Flight Number ACMS                     |      |      | 5810                                       |
| 2021-07-17 13:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-17 13:45:00 | Fuel Flow                              | 1199 | 1203 |                                            |
| 2021-07-17 13:45:00 | Ground Speed                           |      |      | 440.5                                      |
| 2021-07-17 13:45:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-17 13:45:00 | Leg                                    |      |      | 1                                          |
| 2021-07-17 13:45:00 | Mach Number                            |      |      | 0.754                                      |
| 2021-07-17 13:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-17 13:45:00 | N1 Indicated Fan Speed                 | 87.7 | 87.7 |                                            |
| 2021-07-17 13:45:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-17 13:45:00 | Oil Temperature                        | 111  | 110  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-17 13:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-17 13:45:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-17 13:45:00 | Temperature Static Air                 |      |      | -36.7                                      |
| 2021-07-17 13:45:00 | Throttle Lever Angle                   | 62.4 | 62.4 |                                            |
| 2021-07-17 13:45:00 | Time GE Received                       |      |      | 15:21:56                                   |
| 2021-07-17 13:45:00 | Time Of Report                         |      |      | 13:45:00                                   |
| 2021-07-17 13:45:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-07-17 13:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-17 13:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-17 13:45:00 | Vibration N1 #1 Bearing                | 0.19 | 0.09 |                                            |
| 2021-07-17 13:45:00 | Vibration N1 Phase Angle #1 Bearing    | 122  | 86   |                                            |
| 2021-07-17 13:45:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 86   |                                            |
| 2021-07-17 13:45:00 | Vibration N1 Turbine Frame             | 0.33 | 0.26 |                                            |
| 2021-07-17 13:45:00 | Vibration N2 #1 Bearing                | 0.01 | 0.1  |                                            |
| 2021-07-17 13:45:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-07-17 08:54:00 | (1)                                    |      | 62.4 | 21                                         |
| 2021-07-17 08:54:00 | (1)                                    |      |      | 605                                        |
| 2021-07-17 08:54:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-17 08:54:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-17 08:54:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-17 08:54:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-17 08:54:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-17 08:54:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-17 08:54:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-17 08:54:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-17 08:54:00 | Air Speed Indicated                    |      |      | 255.5                                      |
| 2021-07-17 08:54:00 | Aircraft Gross Weight                  |      |      | 63248                                      |
| 2021-07-17 08:54:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-17 08:54:00 | Altitude                               |      |      | 35094                                      |
| 2021-07-17 08:54:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-17 08:54:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-17 08:54:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-17 08:54:00 | Core Speed                             | 93.9 | 93.6 |                                            |
| 2021-07-17 08:54:00 | Date GE Received                       |      |      | 07/17/2021                                 |
| 2021-07-17 08:54:00 | Date of Report                         |      |      | 07/17/2021                                 |
| 2021-07-17 08:54:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-17 08:54:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-17 08:54:00 | Downlink Ground Station                |      |      | YTY                                        |
| 2021-07-17 08:54:00 | EGT Exhaust Gas Temperature            | 665  | 673  |                                            |
| 2021-07-17 08:54:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-17 08:54:00 | Flight Counter                         |      |      | 1642                                       |
| 2021-07-17 08:54:00 | Flight Number ACARS                    |      |      | 7605                                       |
| 2021-07-17 08:54:00 | Flight Number ACMS                     |      |      | 7605                                       |
| 2021-07-17 08:54:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-17 08:54:00 | Fuel Flow                              | 1174 | 1164 |                                            |
| 2021-07-17 08:54:00 | Ground Speed                           |      |      | 453.4                                      |
| 2021-07-17 08:54:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-17 08:54:00 | Leg                                    |      |      | 1                                          |
| 2021-07-17 08:54:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-07-17 08:54:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-17 08:54:00 | N1 Indicated Fan Speed                 | 88.5 | 88.5 |                                            |
| 2021-07-17 08:54:00 | Oil Pressure                           | 44   | 45   |                                            |
| 2021-07-17 08:54:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-17 08:54:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-17 08:54:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-17 08:54:00 | Temperature Static Air                 |      |      | -38.3                                      |
| 2021-07-17 08:54:00 | Throttle Lever Angle                   | 62.5 | 62.4 |                                            |
| 2021-07-17 08:54:00 | Time GE Received                       |      |      | 10:54:56                                   |
| 2021-07-17 08:54:00 | Time Of Report                         |      |      | 08:54:00                                   |
| 2021-07-17 08:54:00 | Total Air Temperature Aircraft         |      |      | -11.3                                      |
| 2021-07-17 08:54:00 | Unknown parameter/formatting character |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-17 08:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-17 08:54:00 | Vibration N1 #1 Bearing                | 0.24 | 0.12 |                                            |
| 2021-07-17 08:54:00 | Vibration N1 Phase Angle #1 Bearing    | 134  | 75   |                                            |
| 2021-07-17 08:54:00 | Vibration N1 Phase Angle Turbine Frame | 110  | 93   |                                            |
| 2021-07-17 08:54:00 | Vibration N1 Turbine Frame             | 0.49 | 0.34 |                                            |
| 2021-07-17 08:54:00 | Vibration N2 #1 Bearing                | 0.03 | 0.1  |                                            |
| 2021-07-17 08:54:00 | Vibration N2 Turbine Frame             | 0.09 | 0.08 |                                            |
| 2021-07-17 00:34:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-17 00:34:00 | (1)                                    |      |      | 814                                        |
| 2021-07-17 00:34:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-17 00:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-17 00:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-17 00:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-17 00:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-17 00:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-17 00:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-17 00:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-17 00:34:00 | Air Speed Indicated                    |      |      | 297.6                                      |
| 2021-07-17 00:34:00 | Aircraft Gross Weight                  |      |      | 66333                                      |
| 2021-07-17 00:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-17 00:34:00 | Altitude                               |      |      | 25601                                      |
| 2021-07-17 00:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-17 00:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-17 00:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-17 00:34:00 | Core Speed                             | 95   | 94.9 |                                            |
| 2021-07-17 00:34:00 | Date GE Received                       |      |      | 07/17/2021                                 |
| 2021-07-17 00:34:00 | Date of Report                         |      |      | 07/17/2021                                 |
| 2021-07-17 00:34:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-17 00:34:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-17 00:34:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-17 00:34:00 | EGT Exhaust Gas Temperature            | 656  | 658  |                                            |
| 2021-07-17 00:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-17 00:34:00 | Flight Counter                         |      |      | 1533                                       |
| 2021-07-17 00:34:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-07-17 00:34:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-07-17 00:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-17 00:34:00 | Fuel Flow                              | 1446 | 1428 |                                            |
| 2021-07-17 00:34:00 | Ground Speed                           |      |      | 442                                        |
| 2021-07-17 00:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-17 00:34:00 | Leg                                    |      |      | 1                                          |
| 2021-07-17 00:34:00 | Mach Number                            |      |      | 0.72                                       |
| 2021-07-17 00:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-17 00:34:00 | N1 Indicated Fan Speed                 | 85.5 | 85.4 |                                            |
| 2021-07-17 00:34:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-07-17 00:34:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-17 00:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-17 00:34:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-17 00:34:00 | Temperature Static Air                 |      |      | -18.5                                      |
| 2021-07-17 00:34:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-07-17 00:34:00 | Time GE Received                       |      |      | 02:36:39                                   |
| 2021-07-17 00:34:00 | Time Of Report                         |      |      | 00:34:00                                   |
| 2021-07-17 00:34:00 | Total Air Temperature Aircraft         |      |      | 7.8                                        |
| 2021-07-17 00:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-17 00:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-17 00:34:00 | Vibration N1 #1 Bearing                | 0.18 | 0.19 |                                            |
| 2021-07-17 00:34:00 | Vibration N1 Phase Angle #1 Bearing    | 113  | 67   |                                            |
| 2021-07-17 00:34:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 86   |                                            |
| 2021-07-17 00:34:00 | Vibration N1 Turbine Frame             | 0.37 | 0.31 |                                            |
| 2021-07-17 00:34:00 | Vibration N2 #1 Bearing                | 0.06 | 0.21 |                                            |
| 2021-07-17 00:34:00 | Vibration N2 Turbine Frame             | 0.09 | 0.06 |                                            |
| 2021-07-16 20:05:00 | (1)                                    |      | 63.4 | 21                                         |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-16 20:05:00 | (1)                                    |      |      | 813                                        |
| 2021-07-16 20:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-16 20:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-16 20:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-16 20:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-16 20:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-16 20:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-16 20:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-16 20:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-16 20:05:00 | Air Speed Indicated                    |      |      | 256                                        |
| 2021-07-16 20:05:00 | Aircraft Gross Weight                  |      |      | 68619                                      |
| 2021-07-16 20:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-16 20:05:00 | Altitude                               |      |      | 35100                                      |
| 2021-07-16 20:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-16 20:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-16 20:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-16 20:05:00 | Core Speed                             | 94.4 | 94.1 |                                            |
| 2021-07-16 20:05:00 | Date GE Received                       |      |      | 07/16/2021                                 |
| 2021-07-16 20:05:00 | Date of Report                         |      |      | 07/16/2021                                 |
| 2021-07-16 20:05:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-16 20:05:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-16 20:05:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-07-16 20:05:00 | EGT Exhaust Gas Temperature            | 682  | 688  |                                            |
| 2021-07-16 20:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-16 20:05:00 | Flight Counter                         |      |      | 1603                                       |
| 2021-07-16 20:05:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-07-16 20:05:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-07-16 20:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-16 20:05:00 | Fuel Flow                              | 1250 | 1234 |                                            |
| 2021-07-16 20:05:00 | Ground Speed                           |      |      | 450.6                                      |
| 2021-07-16 20:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-16 20:05:00 | Leg                                    |      |      | 1                                          |
| 2021-07-16 20:05:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-07-16 20:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-16 20:05:00 | N1 Indicated Fan Speed                 | 90   | 89.9 |                                            |
| 2021-07-16 20:05:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-16 20:05:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-16 20:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-16 20:05:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-16 20:05:00 | Temperature Static Air                 |      |      | -38.8                                      |
| 2021-07-16 20:05:00 | Throttle Lever Angle                   | 63.5 | 63.4 |                                            |
| 2021-07-16 20:05:00 | Time GE Received                       |      |      | 22:05:13                                   |
| 2021-07-16 20:05:00 | Time Of Report                         |      |      | 20:05:00                                   |
| 2021-07-16 20:05:00 | Total Air Temperature Aircraft         |      |      | -11.8                                      |
| 2021-07-16 20:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-16 20:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-16 20:05:00 | Vibration N1 #1 Bearing                | 0.37 | 0.14 |                                            |
| 2021-07-16 20:05:00 | Vibration N1 Phase Angle #1 Bearing    | 120  | 90   |                                            |
| 2021-07-16 20:05:00 | Vibration N1 Phase Angle Turbine Frame | 106  | 98   |                                            |
| 2021-07-16 20:05:00 | Vibration N1 Turbine Frame             | 0.7  | 0.36 |                                            |
| 2021-07-16 20:05:00 | Vibration N2 #1 Bearing                | 0.04 | 0.14 |                                            |
| 2021-07-16 20:05:00 | Vibration N2 Turbine Frame             | 0.08 | 0.1  |                                            |
| 2021-07-16 08:47:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-07-16 08:47:00 | (1)                                    |      |      | 748                                        |
| 2021-07-16 08:47:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-16 08:47:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-16 08:47:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-16 08:47:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-16 08:47:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-16 08:47:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-16 08:47:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-16 08:47:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-16 08:47:00 | Air Speed Indicated                    |      |      | 303.7                                      |
| 2021-07-16 08:47:00 | Aircraft Gross Weight                  |      |      | 63248                                      |
| 2021-07-16 08:47:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-16 08:47:00 | Altitude                               |      |      | 27594                                      |
| 2021-07-16 08:47:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-16 08:47:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-16 08:47:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-16 08:47:00 | Core Speed                             | 95.3 | 95.2 |                                            |
| 2021-07-16 08:47:00 | Date GE Received                       |      |      | 07/16/2021                                 |
| 2021-07-16 08:47:00 | Date of Report                         |      |      | 07/16/2021                                 |
| 2021-07-16 08:47:00 | Departure Station                      |      |      | ZBT                                        |
| 2021-07-16 08:47:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-16 08:47:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-16 08:47:00 | EGT Exhaust Gas Temperature            | 669  | 672  |                                            |
| 2021-07-16 08:47:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-16 08:47:00 | Flight Counter                         |      |      | 2879                                       |
| 2021-07-16 08:47:00 | Flight Number ACARS                    |      |      | 5748                                       |
| 2021-07-16 08:47:00 | Flight Number ACMS                     |      |      | 5748                                       |
| 2021-07-16 08:47:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-16 08:47:00 | Fuel Flow                              | 1424 | 1400 |                                            |
| 2021-07-16 08:47:00 | Ground Speed                           |      |      | 496.4                                      |
| 2021-07-16 08:47:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-16 08:47:00 | Leg                                    |      |      | 1                                          |
| 2021-07-16 08:47:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-07-16 08:47:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-16 08:47:00 | N1 Indicated Fan Speed                 | 87.2 | 87.1 |                                            |
| 2021-07-16 08:47:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-07-16 08:47:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-07-16 08:47:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-16 08:47:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-16 08:47:00 | Temperature Static Air                 |      |      | -19.5                                      |
| 2021-07-16 08:47:00 | Throttle Lever Angle                   | 62.8 | 62.7 |                                            |
| 2021-07-16 08:47:00 | Time GE Received                       |      |      | 10:13:00                                   |
| 2021-07-16 08:47:00 | Time Of Report                         |      |      | 08:47:00                                   |
| 2021-07-16 08:47:00 | Total Air Temperature Aircraft         |      |      | 10                                         |
| 2021-07-16 08:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-16 08:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-16 08:47:00 | Vibration N1 #1 Bearing                | 0.21 | 0.21 |                                            |
| 2021-07-16 08:47:00 | Vibration N1 Phase Angle #1 Bearing    | 95   | 86   |                                            |
| 2021-07-16 08:47:00 | Vibration N1 Phase Angle Turbine Frame | 123  | 100  |                                            |
| 2021-07-16 08:47:00 | Vibration N1 Turbine Frame             | 0.46 | 0.34 |                                            |
| 2021-07-16 08:47:00 | Vibration N2 #1 Bearing                | 0.1  | 0.25 |                                            |
| 2021-07-16 08:47:00 | Vibration N2 Turbine Frame             | 0.1  | 0.04 |                                            |
| 2021-07-16 03:35:00 | (1)                                    |      |      | 21                                         |
| 2021-07-16 03:35:00 | (1)                                    |      |      | 747                                        |
| 2021-07-16 03:35:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-16 03:35:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-16 03:35:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-16 03:35:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-16 03:35:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-16 03:35:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-16 03:35:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-16 03:35:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-16 03:35:00 | Air Speed Indicated                    |      |      | 261.2                                      |
| 2021-07-16 03:35:00 | Aircraft Gross Weight                  |      |      | 63847                                      |
| 2021-07-16 03:35:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-16 03:35:00 | Altitude                               |      |      | 35101                                      |
| 2021-07-16 03:35:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-16 03:35:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-16 03:35:00 | Carrier code (two character)           |      |      | MU                                         |

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|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-16 03:35:00 | Core Speed                             | 94.1 | 93.7 |                                            |
| 2021-07-16 03:35:00 | Date GE Received                       |      |      | 07/16/2021                                 |
| 2021-07-16 03:35:00 | Date of Report                         |      |      | 07/16/2021                                 |
| 2021-07-16 03:35:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-16 03:35:00 | Destination Station                    |      |      | ZBT                                        |
| 2021-07-16 03:35:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-07-16 03:35:00 | EGT Exhaust Gas Temperature            | 672  | 681  |                                            |
| 2021-07-16 03:35:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-16 03:35:00 | Flight Counter                         |      |      | 2288                                       |
| 2021-07-16 03:35:00 | Flight Number ACARS                    |      |      | 5747                                       |
| 2021-07-16 03:35:00 | Flight Number ACMS                     |      |      | 5747                                       |
| 2021-07-16 03:35:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-16 03:35:00 | Fuel Flow                              | 1189 | 1178 |                                            |
| 2021-07-16 03:35:00 | Ground Speed                           |      |      | 449.7                                      |
| 2021-07-16 03:35:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-16 03:35:00 | Leg                                    |      |      | 1                                          |
| 2021-07-16 03:35:00 | Mach Number                            |      |      | 0.773                                      |
| 2021-07-16 03:35:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-16 03:35:00 | N1 Indicated Fan Speed                 | 88.7 | 88.7 |                                            |
| 2021-07-16 03:35:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-07-16 03:35:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-16 03:35:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-16 03:35:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-16 03:35:00 | Temperature Static Air                 |      |      | -37.3                                      |
| 2021-07-16 03:35:00 | Throttle Lever Angle                   | 62.7 | 62.7 |                                            |
| 2021-07-16 03:35:00 | Time GE Received                       |      |      | 05:16:44                                   |
| 2021-07-16 03:35:00 | Time Of Report                         |      |      | 03:35:00                                   |
| 2021-07-16 03:35:00 | Total Air Temperature Aircraft         |      |      | -9                                         |
| 2021-07-16 03:35:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-16 03:35:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-16 03:35:00 | Vibration N1 #1 Bearing                | 0.17 | 0.1  |                                            |
| 2021-07-16 03:35:00 | Vibration N1 Phase Angle #1 Bearing    | 173  | 92   |                                            |
| 2021-07-16 03:35:00 | Vibration N1 Phase Angle Turbine Frame | 106  | 77   |                                            |
| 2021-07-16 03:35:00 | Vibration N1 Turbine Frame             | 0.47 | 0.33 |                                            |
| 2021-07-16 03:35:00 | Vibration N2 #1 Bearing                | 0.02 | 0.13 |                                            |
| 2021-07-16 03:35:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-07-15 12:33:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-15 12:33:00 | (1)                                    |      |      | 862                                        |
| 2021-07-15 12:33:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-15 12:33:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-15 12:33:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-15 12:33:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-15 12:33:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-15 12:33:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-15 12:33:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-15 12:33:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-15 12:33:00 | Air Speed Indicated                    |      |      | 278.4                                      |
| 2021-07-15 12:33:00 | Aircraft Gross Weight                  |      |      | 62178                                      |
| 2021-07-15 12:33:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-15 12:33:00 | Altitude                               |      |      | 31115                                      |
| 2021-07-15 12:33:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-15 12:33:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-15 12:33:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-15 12:33:00 | Core Speed                             | 94.6 | 94.5 |                                            |
| 2021-07-15 12:33:00 | Date GE Received                       |      |      | 07/15/2021                                 |
| 2021-07-15 12:33:00 | Date of Report                         |      |      | 07/15/2021                                 |
| 2021-07-15 12:33:00 | Departure Station                      |      |      | ZLL                                        |
| 2021-07-15 12:33:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-15 12:33:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-15 12:33:00 | EGT Exhaust Gas Temperature            | 661  | 662  |                                            |
| 2021-07-15 12:33:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-15 12:33:00 | Flight Counter                         |      |      | 2139                                       |
| 2021-07-15 12:33:00 | Flight Number ACARS                    |      |      | 7862                                       |
| 2021-07-15 12:33:00 | Flight Number ACMS                     |      |      | 7862                                       |
| 2021-07-15 12:33:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-15 12:33:00 | Fuel Flow                              | 1244 | 1225 |                                            |
| 2021-07-15 12:33:00 | Ground Speed                           |      |      | 476.1                                      |
| 2021-07-15 12:33:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-15 12:33:00 | Leg                                    |      |      | 1                                          |
| 2021-07-15 12:33:00 | Mach Number                            |      |      | 0.755                                      |
| 2021-07-15 12:33:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-15 12:33:00 | N1 Indicated Fan Speed                 | 87   | 86.9 |                                            |
| 2021-07-15 12:33:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-15 12:33:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-07-15 12:33:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-15 12:33:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-15 12:33:00 | Temperature Static Air                 |      |      | -26.7                                      |
| 2021-07-15 12:33:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-07-15 12:33:00 | Time GE Received                       |      |      | 13:45:09                                   |
| 2021-07-15 12:33:00 | Time Of Report                         |      |      | 12:33:00                                   |
| 2021-07-15 12:33:00 | Total Air Temperature Aircraft         |      |      | 1.5                                        |
| 2021-07-15 12:33:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-15 12:33:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-15 12:33:00 | Vibration N1 #1 Bearing                | 0.21 | 0.09 |                                            |
| 2021-07-15 12:33:00 | Vibration N1 Phase Angle #1 Bearing    | 105  | 69   |                                            |
| 2021-07-15 12:33:00 | Vibration N1 Phase Angle Turbine Frame | 119  | 89   |                                            |
| 2021-07-15 12:33:00 | Vibration N1 Turbine Frame             | 0.44 | 0.32 |                                            |
| 2021-07-15 12:33:00 | Vibration N2 #1 Bearing                | 0.05 | 0.19 |                                            |
| 2021-07-15 12:33:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-07-15 09:36:00 | (1)                                    |      |      | 21                                         |
| 2021-07-15 09:36:00 | (1)                                    |      |      | 861                                        |
| 2021-07-15 09:36:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-15 09:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-15 09:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-15 09:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-15 09:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-15 09:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-15 09:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-15 09:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-15 09:36:00 | Air Speed Indicated                    |      |      | 266.6                                      |
| 2021-07-15 09:36:00 | Aircraft Gross Weight                  |      |      | 63140                                      |
| 2021-07-15 09:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-15 09:36:00 | Altitude                               |      |      | 34112                                      |
| 2021-07-15 09:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-15 09:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-15 09:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-15 09:36:00 | Core Speed                             | 94.5 | 94   |                                            |
| 2021-07-15 09:36:00 | Date GE Received                       |      |      | 07/15/2021                                 |
| 2021-07-15 09:36:00 | Date of Report                         |      |      | 07/15/2021                                 |
| 2021-07-15 09:36:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-15 09:36:00 | Destination Station                    |      |      | ZLL                                        |
| 2021-07-15 09:36:00 | Downlink Ground Station                |      |      | LHW                                        |
| 2021-07-15 09:36:00 | EGT Exhaust Gas Temperature            | 681  | 698  |                                            |
| 2021-07-15 09:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-15 09:36:00 | Flight Counter                         |      |      | 3569                                       |
| 2021-07-15 09:36:00 | Flight Number ACARS                    |      |      | 7861                                       |
| 2021-07-15 09:36:00 | Flight Number ACMS                     |      |      | 7861                                       |
| 2021-07-15 09:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-15 09:36:00 | Fuel Flow                              | 1226 | 1235 |                                            |
| 2021-07-15 09:36:00 | Ground Speed                           |      |      | 453.1                                      |
| 2021-07-15 09:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-15 09:36:00 | Leg                                    |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-15 09:36:00 | Mach Number                            |      |      | 0.772                                      |
| 2021-07-15 09:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-15 09:36:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-07-15 09:36:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-15 09:36:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-07-15 09:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-15 09:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-15 09:36:00 | Temperature Static Air                 |      |      | -34                                        |
| 2021-07-15 09:36:00 | Throttle Lever Angle                   | 63.3 | 63.3 |                                            |
| 2021-07-15 09:36:00 | Time GE Received                       |      |      | 10:39:43                                   |
| 2021-07-15 09:36:00 | Time Of Report                         |      |      | 09:36:00                                   |
| 2021-07-15 09:36:00 | Total Air Temperature Aircraft         |      |      | -5.5                                       |
| 2021-07-15 09:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-15 09:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-15 09:36:00 | Vibration N1 #1 Bearing                | 0.25 | 0.09 |                                            |
| 2021-07-15 09:36:00 | Vibration N1 Phase Angle #1 Bearing    | 144  | 76   |                                            |
| 2021-07-15 09:36:00 | Vibration N1 Phase Angle Turbine Frame | 122  | 83   |                                            |
| 2021-07-15 09:36:00 | Vibration N1 Turbine Frame             | 0.46 | 0.23 |                                            |
| 2021-07-15 09:36:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-07-15 09:36:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-07-15 04:10:00 | (1)                                    |      |      | 21                                         |
| 2021-07-15 04:10:00 | (1)                                    |      |      | 752                                        |
| 2021-07-15 04:10:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-15 04:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-15 04:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-15 04:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-15 04:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-15 04:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-15 04:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-15 04:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-15 04:10:00 | Air Speed Indicated                    |      |      | 290.3                                      |
| 2021-07-15 04:10:00 | Aircraft Gross Weight                  |      |      | 65698                                      |
| 2021-07-15 04:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-15 04:10:00 | Altitude                               |      |      | 27602                                      |
| 2021-07-15 04:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-15 04:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-15 04:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-15 04:10:00 | Core Speed                             | 94.7 | 94.6 |                                            |
| 2021-07-15 04:10:00 | Date GE Received                       |      |      | 07/15/2021                                 |
| 2021-07-15 04:10:00 | Date of Report                         |      |      | 07/15/2021                                 |
| 2021-07-15 04:10:00 | Departure Station                      |      |      | ZBT                                        |
| 2021-07-15 04:10:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-15 04:10:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-15 04:10:00 | EGT Exhaust Gas Temperature            | 652  | 655  |                                            |
| 2021-07-15 04:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-15 04:10:00 | Flight Counter                         |      |      | 2781                                       |
| 2021-07-15 04:10:00 | Flight Number ACARS                    |      |      | 5752                                       |
| 2021-07-15 04:10:00 | Flight Number ACMS                     |      |      | 5752                                       |
| 2021-07-15 04:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-15 04:10:00 | Fuel Flow                              | 1347 | 1327 |                                            |
| 2021-07-15 04:10:00 | Ground Speed                           |      |      | 452.7                                      |
| 2021-07-15 04:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-15 04:10:00 | Leg                                    |      |      | 1                                          |
| 2021-07-15 04:10:00 | Mach Number                            |      |      | 0.732                                      |
| 2021-07-15 04:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-15 04:10:00 | N1 Indicated Fan Speed                 | 85.8 | 85.8 |                                            |
| 2021-07-15 04:10:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-07-15 04:10:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-07-15 04:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-15 04:10:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-15 04:10:00 | Temperature Static Air                 |      |      | -20.8                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-15 04:10:00 | Throttle Lever Angle                   | 61.6 | 61.6 |                                            |
| 2021-07-15 04:10:00 | Time GE Received                       |      |      | 06:07:37                                   |
| 2021-07-15 04:10:00 | Time Of Report                         |      |      | 04:10:00                                   |
| 2021-07-15 04:10:00 | Total Air Temperature Aircraft         |      |      | 6.3                                        |
| 2021-07-15 04:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-15 04:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-15 04:10:00 | Vibration N1 #1 Bearing                | 0.11 | 0.11 |                                            |
| 2021-07-15 04:10:00 | Vibration N1 Phase Angle #1 Bearing    | 101  | 78   |                                            |
| 2021-07-15 04:10:00 | Vibration N1 Phase Angle Turbine Frame | 100  | 84   |                                            |
| 2021-07-15 04:10:00 | Vibration N1 Turbine Frame             | 0.31 | 0.28 |                                            |
| 2021-07-15 04:10:00 | Vibration N2 #1 Bearing                | 0.03 | 0.2  |                                            |
| 2021-07-15 04:10:00 | Vibration N2 Turbine Frame             | 0.1  | 0.07 |                                            |
| 2021-07-14 13:55:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-07-14 13:55:00 | (1)                                    |      |      | 751                                        |
| 2021-07-14 13:55:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-14 13:55:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-14 13:55:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-14 13:55:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-14 13:55:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-14 13:55:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-14 13:55:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-14 13:55:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-14 13:55:00 | Air Speed Indicated                    |      |      | 279.6                                      |
| 2021-07-14 13:55:00 | Aircraft Gross Weight                  |      |      | 67875                                      |
| 2021-07-14 13:55:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-14 13:55:00 | Altitude                               |      |      | 31102                                      |
| 2021-07-14 13:55:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-14 13:55:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-14 13:55:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-14 13:55:00 | Core Speed                             | 95.1 | 95   |                                            |
| 2021-07-14 13:55:00 | Date GE Received                       |      |      | 07/14/2021                                 |
| 2021-07-14 13:55:00 | Date of Report                         |      |      | 07/14/2021                                 |
| 2021-07-14 13:55:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-14 13:55:00 | Destination Station                    |      |      | ZBT                                        |
| 2021-07-14 13:55:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-07-14 13:55:00 | EGT Exhaust Gas Temperature            | 668  | 670  |                                            |
| 2021-07-14 13:55:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-14 13:55:00 | Flight Counter                         |      |      | 1376                                       |
| 2021-07-14 13:55:00 | Flight Number ACARS                    |      |      | 5751                                       |
| 2021-07-14 13:55:00 | Flight Number ACMS                     |      |      | 5751                                       |
| 2021-07-14 13:55:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-14 13:55:00 | Fuel Flow                              | 1328 | 1304 |                                            |
| 2021-07-14 13:55:00 | Ground Speed                           |      |      | 454.3                                      |
| 2021-07-14 13:55:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-14 13:55:00 | Leg                                    |      |      | 1                                          |
| 2021-07-14 13:55:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-07-14 13:55:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-14 13:55:00 | N1 Indicated Fan Speed                 | 88.3 | 88.3 |                                            |
| 2021-07-14 13:55:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-14 13:55:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-14 13:55:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-14 13:55:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-14 13:55:00 | Temperature Static Air                 |      |      | -28.5                                      |
| 2021-07-14 13:55:00 | Throttle Lever Angle                   | 62.9 | 62.9 |                                            |
| 2021-07-14 13:55:00 | Time GE Received                       |      |      | 16:07:53                                   |
| 2021-07-14 13:55:00 | Time Of Report                         |      |      | 13:55:00                                   |
| 2021-07-14 13:55:00 | Total Air Temperature Aircraft         |      |      | -0.5                                       |
| 2021-07-14 13:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 13:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 13:55:00 | Vibration N1 #1 Bearing                | 0.32 | 0.24 |                                            |
| 2021-07-14 13:55:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 75   |                                            |

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|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-14 13:55:00 | Vibration N1 Phase Angle Turbine Frame | 105  | 103  |                                            |
| 2021-07-14 13:55:00 | Vibration N1 Turbine Frame             | 0.52 | 0.41 |                                            |
| 2021-07-14 13:55:00 | Vibration N2 #1 Bearing                | 0.06 | 0.15 |                                            |
| 2021-07-14 13:55:00 | Vibration N2 Turbine Frame             | 0.1  | 0.06 |                                            |
| 2021-07-14 10:43:00 | (1)                                    |      | 61.3 | 21                                         |
| 2021-07-14 10:43:00 | (1)                                    |      |      | 758                                        |
| 2021-07-14 10:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-14 10:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-14 10:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-14 10:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-14 10:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-14 10:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-14 10:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-14 10:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-14 10:43:00 | Air Speed Indicated                    |      |      | 262.4                                      |
| 2021-07-14 10:43:00 | Aircraft Gross Weight                  |      |      | 60690                                      |
| 2021-07-14 10:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-14 10:43:00 | Altitude                               |      |      | 34099                                      |
| 2021-07-14 10:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-14 10:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-14 10:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-14 10:43:00 | Core Speed                             | 93.3 | 93   |                                            |
| 2021-07-14 10:43:00 | Date GE Received                       |      |      | 07/14/2021                                 |
| 2021-07-14 10:43:00 | Date of Report                         |      |      | 07/14/2021                                 |
| 2021-07-14 10:43:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-07-14 10:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-14 10:43:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-14 10:43:00 | EGT Exhaust Gas Temperature            | 646  | 656  |                                            |
| 2021-07-14 10:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-14 10:43:00 | Flight Counter                         |      |      | 2593                                       |
| 2021-07-14 10:43:00 | Flight Number ACARS                    |      |      | 5758                                       |
| 2021-07-14 10:43:00 | Flight Number ACMS                     |      |      | 5758                                       |
| 2021-07-14 10:43:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-14 10:43:00 | Fuel Flow                              | 1157 | 1146 |                                            |
| 2021-07-14 10:43:00 | Ground Speed                           |      |      | 470.1                                      |
| 2021-07-14 10:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-14 10:43:00 | Leg                                    |      |      | 1                                          |
| 2021-07-14 10:43:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-07-14 10:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-14 10:43:00 | N1 Indicated Fan Speed                 | 87   | 86.9 |                                            |
| 2021-07-14 10:43:00 | Oil Pressure                           | 43   | 45   |                                            |
| 2021-07-14 10:43:00 | Oil Temperature                        | 117  | 116  |                                            |
| 2021-07-14 10:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-14 10:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-14 10:43:00 | Temperature Static Air                 |      |      | -37.7                                      |
| 2021-07-14 10:43:00 | Throttle Lever Angle                   | 61.3 | 61.3 |                                            |
| 2021-07-14 10:43:00 | Time GE Received                       |      |      | 11:54:57                                   |
| 2021-07-14 10:43:00 | Time Of Report                         |      |      | 10:43:00                                   |
| 2021-07-14 10:43:00 | Total Air Temperature Aircraft         |      |      | -10.5                                      |
| 2021-07-14 10:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 10:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 10:43:00 | Vibration N1 #1 Bearing                | 0.12 | 0.11 |                                            |
| 2021-07-14 10:43:00 | Vibration N1 Phase Angle #1 Bearing    | 114  | 79   |                                            |
| 2021-07-14 10:43:00 | Vibration N1 Phase Angle Turbine Frame | 133  | 81   |                                            |
| 2021-07-14 10:43:00 | Vibration N1 Turbine Frame             | 0.36 | 0.3  |                                            |
| 2021-07-14 10:43:00 | Vibration N2 #1 Bearing                | 0.03 | 0.1  |                                            |
| 2021-07-14 10:43:00 | Vibration N2 Turbine Frame             | 0.05 | 0.1  |                                            |
| 2021-07-14 06:59:00 | (1)                                    |      | 61.1 | 21                                         |
| 2021-07-14 06:59:00 | (1)                                    |      |      | 757                                        |
| 2021-07-14 06:59:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-14 06:59:00 | A/I valve position Wing                |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-14 06:59:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-14 06:59:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-14 06:59:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-14 06:59:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-14 06:59:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-14 06:59:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-14 06:59:00 | Air Speed Indicated                    |      |      | 281.7                                      |
| 2021-07-14 06:59:00 | Aircraft Gross Weight                  |      |      | 60835                                      |
| 2021-07-14 06:59:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-14 06:59:00 | Altitude                               |      |      | 29100                                      |
| 2021-07-14 06:59:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-14 06:59:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-14 06:59:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-14 06:59:00 | Core Speed                             | 93.9 | 93.8 |                                            |
| 2021-07-14 06:59:00 | Date GE Received                       |      |      | 07/14/2021                                 |
| 2021-07-14 06:59:00 | Date of Report                         |      |      | 07/14/2021                                 |
| 2021-07-14 06:59:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-14 06:59:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-07-14 06:59:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-07-14 06:59:00 | EGT Exhaust Gas Temperature            | 644  | 645  |                                            |
| 2021-07-14 06:59:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-14 06:59:00 | Flight Counter                         |      |      | 3337                                       |
| 2021-07-14 06:59:00 | Flight Number ACARS                    |      |      | 5757                                       |
| 2021-07-14 06:59:00 | Flight Number ACMS                     |      |      | 5757                                       |
| 2021-07-14 06:59:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-14 06:59:00 | Fuel Flow                              | 1275 | 1265 |                                            |
| 2021-07-14 06:59:00 | Ground Speed                           |      |      | 447.3                                      |
| 2021-07-14 06:59:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-14 06:59:00 | Leg                                    |      |      | 1                                          |
| 2021-07-14 06:59:00 | Mach Number                            |      |      | 0.733                                      |
| 2021-07-14 06:59:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-14 06:59:00 | N1 Indicated Fan Speed                 | 85.6 | 85.6 |                                            |
| 2021-07-14 06:59:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-07-14 06:59:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-07-14 06:59:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-14 06:59:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-14 06:59:00 | Temperature Static Air                 |      |      | -25.8                                      |
| 2021-07-14 06:59:00 | Throttle Lever Angle                   | 61   | 61.1 |                                            |
| 2021-07-14 06:59:00 | Time GE Received                       |      |      | 08:04:11                                   |
| 2021-07-14 06:59:00 | Time Of Report                         |      |      | 06:59:00                                   |
| 2021-07-14 06:59:00 | Total Air Temperature Aircraft         |      |      | 0.8                                        |
| 2021-07-14 06:59:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 06:59:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 06:59:00 | Vibration N1 #1 Bearing                | 0.16 | 0.12 |                                            |
| 2021-07-14 06:59:00 | Vibration N1 Phase Angle #1 Bearing    | 114  | 87   |                                            |
| 2021-07-14 06:59:00 | Vibration N1 Phase Angle Turbine Frame | 126  | 86   |                                            |
| 2021-07-14 06:59:00 | Vibration N1 Turbine Frame             | 0.4  | 0.24 |                                            |
| 2021-07-14 06:59:00 | Vibration N2 #1 Bearing                | 0.02 | 0.1  |                                            |
| 2021-07-14 06:59:00 | Vibration N2 Turbine Frame             | 0.07 | 0.08 |                                            |
| 2021-07-14 03:52:00 | (1)                                    |      | 61.7 | 21                                         |
| 2021-07-14 03:52:00 | (1)                                    |      |      | 848                                        |
| 2021-07-14 03:52:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-14 03:52:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-14 03:52:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-14 03:52:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-14 03:52:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-14 03:52:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-14 03:52:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-14 03:52:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-14 03:52:00 | Air Speed Indicated                    |      |      | 279.5                                      |
| 2021-07-14 03:52:00 | Aircraft Gross Weight                  |      |      | 62886                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-14 03:52:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-14 03:52:00 | Altitude                               |      |      | 30100                                      |
| 2021-07-14 03:52:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-14 03:52:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-14 03:52:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-14 03:52:00 | Core Speed                             | 94.3 | 94.2 |                                            |
| 2021-07-14 03:52:00 | Date GE Received                       |      |      | 07/14/2021                                 |
| 2021-07-14 03:52:00 | Date of Report                         |      |      | 07/14/2021                                 |
| 2021-07-14 03:52:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-07-14 03:52:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-14 03:52:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-14 03:52:00 | EGT Exhaust Gas Temperature            | 651  | 651  |                                            |
| 2021-07-14 03:52:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-14 03:52:00 | Flight Counter                         |      |      | 526                                        |
| 2021-07-14 03:52:00 | Flight Number ACARS                    |      |      | 7848                                       |
| 2021-07-14 03:52:00 | Flight Number ACMS                     |      |      | 7848                                       |
| 2021-07-14 03:52:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-14 03:52:00 | Fuel Flow                              | 1285 | 1260 |                                            |
| 2021-07-14 03:52:00 | Ground Speed                           |      |      | 474.1                                      |
| 2021-07-14 03:52:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-14 03:52:00 | Leg                                    |      |      | 1                                          |
| 2021-07-14 03:52:00 | Mach Number                            |      |      | 0.742                                      |
| 2021-07-14 03:52:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-14 03:52:00 | N1 Indicated Fan Speed                 | 86.5 | 86.5 |                                            |
| 2021-07-14 03:52:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-14 03:52:00 | Oil Temperature                        | 114  | 114  |                                            |
| 2021-07-14 03:52:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-14 03:52:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-14 03:52:00 | Temperature Static Air                 |      |      | -27.5                                      |
| 2021-07-14 03:52:00 | Throttle Lever Angle                   | 61.7 | 61.7 |                                            |
| 2021-07-14 03:52:00 | Time GE Received                       |      |      | 04:41:34                                   |
| 2021-07-14 03:52:00 | Time Of Report                         |      |      | 03:52:00                                   |
| 2021-07-14 03:52:00 | Total Air Temperature Aircraft         |      |      | -0.3                                       |
| 2021-07-14 03:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 03:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 03:52:00 | Vibration N1 #1 Bearing                | 0.18 | 0.16 |                                            |
| 2021-07-14 03:52:00 | Vibration N1 Phase Angle #1 Bearing    | 112  | 82   |                                            |
| 2021-07-14 03:52:00 | Vibration N1 Phase Angle Turbine Frame | 127  | 91   |                                            |
| 2021-07-14 03:52:00 | Vibration N1 Turbine Frame             | 0.44 | 0.29 |                                            |
| 2021-07-14 03:52:00 | Vibration N2 #1 Bearing                | 0.01 | 0.13 |                                            |
| 2021-07-14 03:52:00 | Vibration N2 Turbine Frame             | 0.05 | 0.07 |                                            |
| 2021-07-14 00:44:00 | (1)                                    |      | 57.8 | 21                                         |
| 2021-07-14 00:44:00 | (1)                                    |      |      | 847                                        |
| 2021-07-14 00:44:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-14 00:44:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-14 00:44:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-14 00:44:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-14 00:44:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-14 00:44:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-14 00:44:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-14 00:44:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-14 00:44:00 | Air Speed Indicated                    |      |      | 262.5                                      |
| 2021-07-14 00:44:00 | Aircraft Gross Weight                  |      |      | 61107                                      |
| 2021-07-14 00:44:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-14 00:44:00 | Altitude                               |      |      | 24601                                      |
| 2021-07-14 00:44:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-14 00:44:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-14 00:44:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-14 00:44:00 | Core Speed                             | 92.3 | 92.3 |                                            |
| 2021-07-14 00:44:00 | Date GE Received                       |      |      | 07/14/2021                                 |
| 2021-07-14 00:44:00 | Date of Report                         |      |      | 07/14/2021                                 |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-14 00:44:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-14 00:44:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-07-14 00:44:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-07-14 00:44:00 | EGT Exhaust Gas Temperature            | 610  | 611  |                                            |
| 2021-07-14 00:44:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-14 00:44:00 | Flight Counter                         |      |      | 1807                                       |
| 2021-07-14 00:44:00 | Flight Number ACARS                    |      |      | 7847                                       |
| 2021-07-14 00:44:00 | Flight Number ACMS                     |      |      | 7847                                       |
| 2021-07-14 00:44:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-14 00:44:00 | Fuel Flow                              | 1157 | 1141 |                                            |
| 2021-07-14 00:44:00 | Ground Speed                           |      |      | 386.1                                      |
| 2021-07-14 00:44:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-14 00:44:00 | Leg                                    |      |      | 1                                          |
| 2021-07-14 00:44:00 | Mach Number                            |      |      | 0.627                                      |
| 2021-07-14 00:44:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-14 00:44:00 | N1 Indicated Fan Speed                 | 79.8 | 79.7 |                                            |
| 2021-07-14 00:44:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-14 00:44:00 | Oil Temperature                        | 108  | 109  |                                            |
| 2021-07-14 00:44:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-14 00:44:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-14 00:44:00 | Temperature Static Air                 |      |      | -13.5                                      |
| 2021-07-14 00:44:00 | Throttle Lever Angle                   | 57.8 | 57.8 |                                            |
| 2021-07-14 00:44:00 | Time GE Received                       |      |      | 01:31:24                                   |
| 2021-07-14 00:44:00 | Time Of Report                         |      |      | 00:44:00                                   |
| 2021-07-14 00:44:00 | Total Air Temperature Aircraft         |      |      | 7                                          |
| 2021-07-14 00:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 00:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-14 00:44:00 | Vibration N1 #1 Bearing                | 0.07 | 0.05 |                                            |
| 2021-07-14 00:44:00 | Vibration N1 Phase Angle #1 Bearing    | 192  | 39   |                                            |
| 2021-07-14 00:44:00 | Vibration N1 Phase Angle Turbine Frame | 68   | 39   |                                            |
| 2021-07-14 00:44:00 | Vibration N1 Turbine Frame             | 0.32 | 0.14 |                                            |
| 2021-07-14 00:44:00 | Vibration N2 #1 Bearing                | 0.02 | 0.11 |                                            |
| 2021-07-14 00:44:00 | Vibration N2 Turbine Frame             | 0.02 | 0.14 |                                            |
| 2021-07-13 15:24:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-07-13 15:24:00 | (1)                                    |      |      | 722                                        |
| 2021-07-13 15:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-13 15:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-13 15:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-13 15:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-13 15:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-13 15:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-13 15:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-13 15:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-13 15:24:00 | Air Speed Indicated                    |      |      | 300.9                                      |
| 2021-07-13 15:24:00 | Aircraft Gross Weight                  |      |      | 63829                                      |
| 2021-07-13 15:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-13 15:24:00 | Altitude                               |      |      | 25599                                      |
| 2021-07-13 15:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-13 15:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-13 15:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-13 15:24:00 | Core Speed                             | 94.6 | 94.6 |                                            |
| 2021-07-13 15:24:00 | Date GE Received                       |      |      | 07/13/2021                                 |
| 2021-07-13 15:24:00 | Date of Report                         |      |      | 07/13/2021                                 |
| 2021-07-13 15:24:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-07-13 15:24:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-13 15:24:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-13 15:24:00 | EGT Exhaust Gas Temperature            | 647  | 651  |                                            |
| 2021-07-13 15:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-13 15:24:00 | Flight Counter                         |      |      | 0                                          |
| 2021-07-13 15:24:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-07-13 15:24:00 | Flight Number ACMS                     |      |      | 5722                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-13 15:24:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-13 15:24:00 | Fuel Flow                              | 1410 | 1394 |                                            |
| 2021-07-13 15:24:00 | Ground Speed                           |      |      | 440.7                                      |
| 2021-07-13 15:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-13 15:24:00 | Leg                                    |      |      | 1                                          |
| 2021-07-13 15:24:00 | Mach Number                            |      |      | 0.727                                      |
| 2021-07-13 15:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-13 15:24:00 | N1 Indicated Fan Speed                 | 85.2 | 85.2 |                                            |
| 2021-07-13 15:24:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-07-13 15:24:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-13 15:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-13 15:24:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-13 15:24:00 | Temperature Static Air                 |      |      | -17.7                                      |
| 2021-07-13 15:24:00 | Throttle Lever Angle                   | 61.4 | 61.4 |                                            |
| 2021-07-13 15:24:00 | Time GE Received                       |      |      | 16:14:38                                   |
| 2021-07-13 15:24:00 | Time Of Report                         |      |      | 15:24:00                                   |
| 2021-07-13 15:24:00 | Total Air Temperature Aircraft         |      |      | 9.5                                        |
| 2021-07-13 15:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 15:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 15:24:00 | Vibration N1 #1 Bearing                | 0.18 | 0.19 |                                            |
| 2021-07-13 15:24:00 | Vibration N1 Phase Angle #1 Bearing    | 101  | 82   |                                            |
| 2021-07-13 15:24:00 | Vibration N1 Phase Angle Turbine Frame | 118  | 87   |                                            |
| 2021-07-13 15:24:00 | Vibration N1 Turbine Frame             | 0.39 | 0.32 |                                            |
| 2021-07-13 15:24:00 | Vibration N2 #1 Bearing                | 0.05 | 0.2  |                                            |
| 2021-07-13 15:24:00 | Vibration N2 Turbine Frame             | 0.07 | 0.07 |                                            |
| 2021-07-13 12:47:00 | (1)                                    |      | 59.7 | 21                                         |
| 2021-07-13 12:47:00 | (1)                                    |      |      | 721                                        |
| 2021-07-13 12:47:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-13 12:47:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-13 12:47:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-13 12:47:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-13 12:47:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-13 12:47:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-13 12:47:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-13 12:47:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-13 12:47:00 | Air Speed Indicated                    |      |      | 285.9                                      |
| 2021-07-13 12:47:00 | Aircraft Gross Weight                  |      |      | 59311                                      |
| 2021-07-13 12:47:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-13 12:47:00 | Altitude                               |      |      | 24599                                      |
| 2021-07-13 12:47:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-13 12:47:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-13 12:47:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-13 12:47:00 | Core Speed                             | 93.5 | 93.5 |                                            |
| 2021-07-13 12:47:00 | Date GE Received                       |      |      | 07/13/2021                                 |
| 2021-07-13 12:47:00 | Date of Report                         |      |      | 07/13/2021                                 |
| 2021-07-13 12:47:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-13 12:47:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-07-13 12:47:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-07-13 12:47:00 | EGT Exhaust Gas Temperature            | 627  | 627  |                                            |
| 2021-07-13 12:47:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-13 12:47:00 | Flight Counter                         |      |      | 1733                                       |
| 2021-07-13 12:47:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-07-13 12:47:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-07-13 12:47:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-13 12:47:00 | Fuel Flow                              | 1296 | 1285 |                                            |
| 2021-07-13 12:47:00 | Ground Speed                           |      |      | 436                                        |
| 2021-07-13 12:47:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-13 12:47:00 | Leg                                    |      |      | 1                                          |
| 2021-07-13 12:47:00 | Mach Number                            |      |      | 0.68                                       |
| 2021-07-13 12:47:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-13 12:47:00 | N1 Indicated Fan Speed                 | 82.6 | 82.6 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-13 12:47:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-07-13 12:47:00 | Oil Temperature                        | 106  | 106  |                                            |
| 2021-07-13 12:47:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-13 12:47:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-13 12:47:00 | Temperature Static Air                 |      |      | -15.2                                      |
| 2021-07-13 12:47:00 | Throttle Lever Angle                   | 59.7 | 59.7 |                                            |
| 2021-07-13 12:47:00 | Time GE Received                       |      |      | 13:24:51                                   |
| 2021-07-13 12:47:00 | Time Of Report                         |      |      | 12:47:00                                   |
| 2021-07-13 12:47:00 | Total Air Temperature Aircraft         |      |      | 8.8                                        |
| 2021-07-13 12:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 12:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 12:47:00 | Vibration N1 #1 Bearing                | 0.11 | 0.11 |                                            |
| 2021-07-13 12:47:00 | Vibration N1 Phase Angle #1 Bearing    | 90   | 81   |                                            |
| 2021-07-13 12:47:00 | Vibration N1 Phase Angle Turbine Frame | 101  | 79   |                                            |
| 2021-07-13 12:47:00 | Vibration N1 Turbine Frame             | 0.3  | 0.23 |                                            |
| 2021-07-13 12:47:00 | Vibration N2 #1 Bearing                | 0.01 | 0.15 |                                            |
| 2021-07-13 12:47:00 | Vibration N2 Turbine Frame             | 0.04 | 0.11 |                                            |
| 2021-07-13 07:07:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-13 07:07:00 | (1)                                    |      |      | 734                                        |
| 2021-07-13 07:07:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-13 07:07:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-13 07:07:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-13 07:07:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-13 07:07:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-13 07:07:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-13 07:07:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-13 07:07:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-13 07:07:00 | Air Speed Indicated                    |      |      | 268                                        |
| 2021-07-13 07:07:00 | Aircraft Gross Weight                  |      |      | 64010                                      |
| 2021-07-13 07:07:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-13 07:07:00 | Altitude                               |      |      | 34105                                      |
| 2021-07-13 07:07:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-13 07:07:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-13 07:07:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-13 07:07:00 | Core Speed                             | 94   | 93.7 |                                            |
| 2021-07-13 07:07:00 | Date GE Received                       |      |      | 07/13/2021                                 |
| 2021-07-13 07:07:00 | Date of Report                         |      |      | 07/13/2021                                 |
| 2021-07-13 07:07:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-07-13 07:07:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-13 07:07:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-13 07:07:00 | EGT Exhaust Gas Temperature            | 661  | 670  |                                            |
| 2021-07-13 07:07:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-13 07:07:00 | Flight Counter                         |      |      | 726                                        |
| 2021-07-13 07:07:00 | Flight Number ACARS                    |      |      | 5734                                       |
| 2021-07-13 07:07:00 | Flight Number ACMS                     |      |      | 5734                                       |
| 2021-07-13 07:07:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-13 07:07:00 | Fuel Flow                              | 1218 | 1204 |                                            |
| 2021-07-13 07:07:00 | Ground Speed                           |      |      | 485.1                                      |
| 2021-07-13 07:07:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-13 07:07:00 | Leg                                    |      |      | 1                                          |
| 2021-07-13 07:07:00 | Mach Number                            |      |      | 0.775                                      |
| 2021-07-13 07:07:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-13 07:07:00 | N1 Indicated Fan Speed                 | 88.1 | 88.1 |                                            |
| 2021-07-13 07:07:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-13 07:07:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-07-13 07:07:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-13 07:07:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-13 07:07:00 | Temperature Static Air                 |      |      | -37.7                                      |
| 2021-07-13 07:07:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-07-13 07:07:00 | Time GE Received                       |      |      | 08:09:05                                   |
| 2021-07-13 07:07:00 | Time Of Report                         |      |      | 07:07:00                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-13 07:07:00 | Total Air Temperature Aircraft         |      |      | -9.5                                       |
| 2021-07-13 07:07:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 07:07:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 07:07:00 | Vibration N1 #1 Bearing                | 0.2  | 0.1  |                                            |
| 2021-07-13 07:07:00 | Vibration N1 Phase Angle #1 Bearing    | 113  | 79   |                                            |
| 2021-07-13 07:07:00 | Vibration N1 Phase Angle Turbine Frame | 139  | 89   |                                            |
| 2021-07-13 07:07:00 | Vibration N1 Turbine Frame             | 0.44 | 0.23 |                                            |
| 2021-07-13 07:07:00 | Vibration N2 #1 Bearing                | 0    | 0.12 |                                            |
| 2021-07-13 07:07:00 | Vibration N2 Turbine Frame             | 0.04 | 0.1  |                                            |
| 2021-07-13 03:45:00 | (1)                                    |      | 61   | 21                                         |
| 2021-07-13 03:45:00 | (1)                                    |      |      | 733                                        |
| 2021-07-13 03:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-13 03:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-13 03:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-13 03:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-13 03:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-13 03:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-13 03:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-13 03:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-13 03:45:00 | Air Speed Indicated                    |      |      | 283.7                                      |
| 2021-07-13 03:45:00 | Aircraft Gross Weight                  |      |      | 61343                                      |
| 2021-07-13 03:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-13 03:45:00 | Altitude                               |      |      | 29099                                      |
| 2021-07-13 03:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-13 03:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-13 03:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-13 03:45:00 | Core Speed                             | 94   | 93.9 |                                            |
| 2021-07-13 03:45:00 | Date GE Received                       |      |      | 07/13/2021                                 |
| 2021-07-13 03:45:00 | Date of Report                         |      |      | 07/13/2021                                 |
| 2021-07-13 03:45:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-13 03:45:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-07-13 03:45:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-07-13 03:45:00 | EGT Exhaust Gas Temperature            | 643  | 647  |                                            |
| 2021-07-13 03:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-13 03:45:00 | Flight Counter                         |      |      | 1800                                       |
| 2021-07-13 03:45:00 | Flight Number ACARS                    |      |      | 5733                                       |
| 2021-07-13 03:45:00 | Flight Number ACMS                     |      |      | 5733                                       |
| 2021-07-13 03:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-13 03:45:00 | Fuel Flow                              | 1266 | 1246 |                                            |
| 2021-07-13 03:45:00 | Ground Speed                           |      |      | 450.9                                      |
| 2021-07-13 03:45:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-13 03:45:00 | Leg                                    |      |      | 1                                          |
| 2021-07-13 03:45:00 | Mach Number                            |      |      | 0.738                                      |
| 2021-07-13 03:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-13 03:45:00 | N1 Indicated Fan Speed                 | 85.4 | 85.3 |                                            |
| 2021-07-13 03:45:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-07-13 03:45:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-07-13 03:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-13 03:45:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-13 03:45:00 | Temperature Static Air                 |      |      | -25                                        |
| 2021-07-13 03:45:00 | Throttle Lever Angle                   | 61   | 61   |                                            |
| 2021-07-13 03:45:00 | Time GE Received                       |      |      | 04:39:45                                   |
| 2021-07-13 03:45:00 | Time Of Report                         |      |      | 03:45:00                                   |
| 2021-07-13 03:45:00 | Total Air Temperature Aircraft         |      |      | 2                                          |
| 2021-07-13 03:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 03:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-13 03:45:00 | Vibration N1 #1 Bearing                | 0.14 | 0.1  |                                            |
| 2021-07-13 03:45:00 | Vibration N1 Phase Angle #1 Bearing    | 126  | 58   |                                            |
| 2021-07-13 03:45:00 | Vibration N1 Phase Angle Turbine Frame | 118  | 78   |                                            |
| 2021-07-13 03:45:00 | Vibration N1 Turbine Frame             | 0.38 | 0.26 |                                            |
| 2021-07-13 03:45:00 | Vibration N2 #1 Bearing                | 0.03 | 0.12 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-13 03:45:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-07-12 11:12:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-07-12 11:12:00 | (1)                                    |      |      | 36                                         |
| 2021-07-12 11:12:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-12 11:12:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-12 11:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-12 11:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-12 11:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-12 11:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-12 11:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-12 11:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-12 11:12:00 | Air Speed Indicated                    |      |      | 281.1                                      |
| 2021-07-12 11:12:00 | Aircraft Gross Weight                  |      |      | 54086                                      |
| 2021-07-12 11:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-12 11:12:00 | Altitude                               |      |      | 31005                                      |
| 2021-07-12 11:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-12 11:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-12 11:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-12 11:12:00 | Core Speed                             | 94.2 | 93.9 |                                            |
| 2021-07-12 11:12:00 | Date GE Received                       |      |      | 07/12/2021                                 |
| 2021-07-12 11:12:00 | Date of Report                         |      |      | 07/12/2021                                 |
| 2021-07-12 11:12:00 | Departure Station                      |      |      | VGH                                        |
| 2021-07-12 11:12:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-12 11:12:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-12 11:12:00 | EGT Exhaust Gas Temperature            | 647  | 663  |                                            |
| 2021-07-12 11:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-12 11:12:00 | Flight Counter                         |      |      | 1650                                       |
| 2021-07-12 11:12:00 | Flight Number ACARS                    |      |      | 2036                                       |
| 2021-07-12 11:12:00 | Flight Number ACMS                     |      |      | 2036                                       |
| 2021-07-12 11:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-12 11:12:00 | Fuel Flow                              | 1226 | 1224 |                                            |
| 2021-07-12 11:12:00 | Ground Speed                           |      |      | 450.8                                      |
| 2021-07-12 11:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-12 11:12:00 | Leg                                    |      |      | 1                                          |
| 2021-07-12 11:12:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-07-12 11:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-12 11:12:00 | N1 Indicated Fan Speed                 | 86.2 | 86.1 |                                            |
| 2021-07-12 11:12:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-12 11:12:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-12 11:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-12 11:12:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-12 11:12:00 | Temperature Static Air                 |      |      | -28                                        |
| 2021-07-12 11:12:00 | Throttle Lever Angle                   | 61.5 | 61.4 |                                            |
| 2021-07-12 11:12:00 | Time GE Received                       |      |      | 12:41:41                                   |
| 2021-07-12 11:12:00 | Time Of Report                         |      |      | 11:12:00                                   |
| 2021-07-12 11:12:00 | Total Air Temperature Aircraft         |      |      | 0.3                                        |
| 2021-07-12 11:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 11:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 11:12:00 | Vibration N1 #1 Bearing                | 0.16 | 0.1  |                                            |
| 2021-07-12 11:12:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 65   |                                            |
| 2021-07-12 11:12:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 73   |                                            |
| 2021-07-12 11:12:00 | Vibration N1 Turbine Frame             | 0.42 | 0.35 |                                            |
| 2021-07-12 11:12:00 | Vibration N2 #1 Bearing                | 0.01 | 0.14 |                                            |
| 2021-07-12 11:12:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-07-12 08:18:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-07-12 08:18:00 | (1)                                    |      |      | 35                                         |
| 2021-07-12 08:18:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-12 08:18:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-12 08:18:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-12 08:18:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-12 08:18:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-12 08:18:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-12 08:18:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-12 08:18:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-12 08:18:00 | Air Speed Indicated                    |      |      | 258.9                                      |
| 2021-07-12 08:18:00 | Aircraft Gross Weight                  |      |      | 64954                                      |
| 2021-07-12 08:18:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-12 08:18:00 | Altitude                               |      |      | 33998                                      |
| 2021-07-12 08:18:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-12 08:18:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-12 08:18:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-12 08:18:00 | Core Speed                             | 93.7 | 93.4 |                                            |
| 2021-07-12 08:18:00 | Date GE Received                       |      |      | 07/12/2021                                 |
| 2021-07-12 08:18:00 | Date of Report                         |      |      | 07/12/2021                                 |
| 2021-07-12 08:18:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-12 08:18:00 | Destination Station                    |      |      | VGH                                        |
| 2021-07-12 08:18:00 | Downlink Ground Station                |      |      | CCU                                        |
| 2021-07-12 08:18:00 | EGT Exhaust Gas Temperature            | 654  | 667  |                                            |
| 2021-07-12 08:18:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-12 08:18:00 | Flight Counter                         |      |      | 3142                                       |
| 2021-07-12 08:18:00 | Flight Number ACARS                    |      |      | 2035                                       |
| 2021-07-12 08:18:00 | Flight Number ACMS                     |      |      | 2035                                       |
| 2021-07-12 08:18:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-12 08:18:00 | Fuel Flow                              | 1185 | 1178 |                                            |
| 2021-07-12 08:18:00 | Ground Speed                           |      |      | 448.5                                      |
| 2021-07-12 08:18:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-12 08:18:00 | Leg                                    |      |      | 1                                          |
| 2021-07-12 08:18:00 | Mach Number                            |      |      | 0.75                                       |
| 2021-07-12 08:18:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-12 08:18:00 | N1 Indicated Fan Speed                 | 87.8 | 87.7 |                                            |
| 2021-07-12 08:18:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-12 08:18:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-12 08:18:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-12 08:18:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-12 08:18:00 | Temperature Static Air                 |      |      | -37.3                                      |
| 2021-07-12 08:18:00 | Throttle Lever Angle                   | 61.9 | 61.9 |                                            |
| 2021-07-12 08:18:00 | Time GE Received                       |      |      | 09:34:09                                   |
| 2021-07-12 08:18:00 | Time Of Report                         |      |      | 08:18:00                                   |
| 2021-07-12 08:18:00 | Total Air Temperature Aircraft         |      |      | -10.7                                      |
| 2021-07-12 08:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 08:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 08:18:00 | Vibration N1 #1 Bearing                | 0.24 | 0.09 |                                            |
| 2021-07-12 08:18:00 | Vibration N1 Phase Angle #1 Bearing    | 136  | 90   |                                            |
| 2021-07-12 08:18:00 | Vibration N1 Phase Angle Turbine Frame | 115  | 93   |                                            |
| 2021-07-12 08:18:00 | Vibration N1 Turbine Frame             | 0.41 | 0.22 |                                            |
| 2021-07-12 08:18:00 | Vibration N2 #1 Bearing                | 0.01 | 0.12 |                                            |
| 2021-07-12 08:18:00 | Vibration N2 Turbine Frame             | 0.03 | 0.11 |                                            |
| 2021-07-12 04:05:00 | (1)                                    |      | 59.7 | 21                                         |
| 2021-07-12 04:05:00 | (1)                                    |      |      | 858                                        |
| 2021-07-12 04:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-12 04:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-12 04:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-12 04:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-12 04:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-12 04:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-12 04:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-12 04:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-12 04:05:00 | Air Speed Indicated                    |      |      | 294.6                                      |
| 2021-07-12 04:05:00 | Aircraft Gross Weight                  |      |      | 60418                                      |
| 2021-07-12 04:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-12 04:05:00 | Altitude                               |      |      | 23599                                      |
| 2021-07-12 04:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-12 04:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-12 04:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-12 04:05:00 | Core Speed                             | 93.5 | 93.5 |                                            |
| 2021-07-12 04:05:00 | Date GE Received                       |      |      | 07/12/2021                                 |
| 2021-07-12 04:05:00 | Date of Report                         |      |      | 07/12/2021                                 |
| 2021-07-12 04:05:00 | Departure Station                      |      |      | ZGK                                        |
| 2021-07-12 04:05:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-12 04:05:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-12 04:05:00 | EGT Exhaust Gas Temperature            | 625  | 630  |                                            |
| 2021-07-12 04:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-12 04:05:00 | Flight Counter                         |      |      | 3435                                       |
| 2021-07-12 04:05:00 | Flight Number ACARS                    |      |      | 7858                                       |
| 2021-07-12 04:05:00 | Flight Number ACMS                     |      |      | 7858                                       |
| 2021-07-12 04:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-12 04:05:00 | Fuel Flow                              | 1334 | 1319 |                                            |
| 2021-07-12 04:05:00 | Ground Speed                           |      |      | 417.8                                      |
| 2021-07-12 04:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-12 04:05:00 | Leg                                    |      |      | 1                                          |
| 2021-07-12 04:05:00 | Mach Number                            |      |      | 0.686                                      |
| 2021-07-12 04:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-12 04:05:00 | N1 Indicated Fan Speed                 | 82.2 | 82.3 |                                            |
| 2021-07-12 04:05:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-07-12 04:05:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-12 04:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-12 04:05:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-12 04:05:00 | Temperature Static Air                 |      |      | -13                                        |
| 2021-07-12 04:05:00 | Throttle Lever Angle                   | 59.7 | 59.7 |                                            |
| 2021-07-12 04:05:00 | Time GE Received                       |      |      | 04:44:18                                   |
| 2021-07-12 04:05:00 | Time Of Report                         |      |      | 04:05:00                                   |
| 2021-07-12 04:05:00 | Total Air Temperature Aircraft         |      |      | 11.5                                       |
| 2021-07-12 04:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 04:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 04:05:00 | Vibration N1 #1 Bearing                | 0.1  | 0.08 |                                            |
| 2021-07-12 04:05:00 | Vibration N1 Phase Angle #1 Bearing    | 114  | 67   |                                            |
| 2021-07-12 04:05:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 55   |                                            |
| 2021-07-12 04:05:00 | Vibration N1 Turbine Frame             | 0.28 | 0.19 |                                            |
| 2021-07-12 04:05:00 | Vibration N2 #1 Bearing                | 0.01 | 0.15 |                                            |
| 2021-07-12 04:05:00 | Vibration N2 Turbine Frame             | 0.02 | 0.12 |                                            |
| 2021-07-12 01:34:00 | (1)                                    |      | 58.9 | 21                                         |
| 2021-07-12 01:34:00 | (1)                                    |      |      | 857                                        |
| 2021-07-12 01:34:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-12 01:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-12 01:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-12 01:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-12 01:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-12 01:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-12 01:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-12 01:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-12 01:34:00 | Air Speed Indicated                    |      |      | 279.6                                      |
| 2021-07-12 01:34:00 | Aircraft Gross Weight                  |      |      | 64537                                      |
| 2021-07-12 01:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-12 01:34:00 | Altitude                               |      |      | 22606                                      |
| 2021-07-12 01:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-12 01:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-12 01:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-12 01:34:00 | Core Speed                             | 93.1 | 93   |                                            |
| 2021-07-12 01:34:00 | Date GE Received                       |      |      | 07/12/2021                                 |
| 2021-07-12 01:34:00 | Date of Report                         |      |      | 07/12/2021                                 |
| 2021-07-12 01:34:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-12 01:34:00 | Destination Station                    |      |      | ZGK                                        |
| 2021-07-12 01:34:00 | Downlink Ground Station                |      |      | KWL                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-12 01:34:00 | EGT Exhaust Gas Temperature            | 626  | 627  |                                            |
| 2021-07-12 01:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-12 01:34:00 | Flight Counter                         |      |      | 1178                                       |
| 2021-07-12 01:34:00 | Flight Number ACARS                    |      |      | 7857                                       |
| 2021-07-12 01:34:00 | Flight Number ACMS                     |      |      | 7857                                       |
| 2021-07-12 01:34:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-12 01:34:00 | Fuel Flow                              | 1298 | 1290 |                                            |
| 2021-07-12 01:34:00 | Ground Speed                           |      |      | 407.4                                      |
| 2021-07-12 01:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-12 01:34:00 | Leg                                    |      |      | 1                                          |
| 2021-07-12 01:34:00 | Mach Number                            |      |      | 0.641                                      |
| 2021-07-12 01:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-12 01:34:00 | N1 Indicated Fan Speed                 | 81   | 81   |                                            |
| 2021-07-12 01:34:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-07-12 01:34:00 | Oil Temperature                        | 106  | 106  |                                            |
| 2021-07-12 01:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-12 01:34:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-12 01:34:00 | Temperature Static Air                 |      |      | -10                                        |
| 2021-07-12 01:34:00 | Throttle Lever Angle                   | 58.8 | 58.9 |                                            |
| 2021-07-12 01:34:00 | Time GE Received                       |      |      | 02:27:16                                   |
| 2021-07-12 01:34:00 | Time Of Report                         |      |      | 01:34:00                                   |
| 2021-07-12 01:34:00 | Total Air Temperature Aircraft         |      |      | 11.5                                       |
| 2021-07-12 01:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 01:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-12 01:34:00 | Vibration N1 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-07-12 01:34:00 | Vibration N1 Phase Angle #1 Bearing    | 112  | 41   |                                            |
| 2021-07-12 01:34:00 | Vibration N1 Phase Angle Turbine Frame | 98   | 50   |                                            |
| 2021-07-12 01:34:00 | Vibration N1 Turbine Frame             | 0.11 | 0.2  |                                            |
| 2021-07-12 01:34:00 | Vibration N2 #1 Bearing                | 0.02 | 0.11 |                                            |
| 2021-07-12 01:34:00 | Vibration N2 Turbine Frame             | 0.04 | 0.13 |                                            |
| 2021-07-11 10:44:00 | (1)                                    |      | 61.6 | 21                                         |
| 2021-07-11 10:44:00 | (1)                                    |      |      | 758                                        |
| 2021-07-11 10:44:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-11 10:44:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-11 10:44:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-11 10:44:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-11 10:44:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-11 10:44:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-11 10:44:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-11 10:44:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-11 10:44:00 | Air Speed Indicated                    |      |      | 269.4                                      |
| 2021-07-11 10:44:00 | Aircraft Gross Weight                  |      |      | 62396                                      |
| 2021-07-11 10:44:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-11 10:44:00 | Altitude                               |      |      | 34102                                      |
| 2021-07-11 10:44:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-11 10:44:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-11 10:44:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-11 10:44:00 | Core Speed                             | 93.5 | 93.3 |                                            |
| 2021-07-11 10:44:00 | Date GE Received                       |      |      | 07/11/2021                                 |
| 2021-07-11 10:44:00 | Date of Report                         |      |      | 07/11/2021                                 |
| 2021-07-11 10:44:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-07-11 10:44:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-11 10:44:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-11 10:44:00 | EGT Exhaust Gas Temperature            | 653  | 660  |                                            |
| 2021-07-11 10:44:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-11 10:44:00 | Flight Counter                         |      |      | 672                                        |
| 2021-07-11 10:44:00 | Flight Number ACARS                    |      |      | 5758                                       |
| 2021-07-11 10:44:00 | Flight Number ACMS                     |      |      | 5758                                       |
| 2021-07-11 10:44:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-11 10:44:00 | Fuel Flow                              | 1189 | 1182 |                                            |
| 2021-07-11 10:44:00 | Ground Speed                           |      |      | 486.4                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-11 10:44:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-11 10:44:00 | Leg                                    |      |      | 1                                          |
| 2021-07-11 10:44:00 | Mach Number                            |      |      | 0.779                                      |
| 2021-07-11 10:44:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-11 10:44:00 | N1 Indicated Fan Speed                 | 87.4 | 87.5 |                                            |
| 2021-07-11 10:44:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-11 10:44:00 | Oil Temperature                        | 116  | 115  |                                            |
| 2021-07-11 10:44:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-11 10:44:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-11 10:44:00 | Temperature Static Air                 |      |      | -38                                        |
| 2021-07-11 10:44:00 | Throttle Lever Angle                   | 61.6 | 61.6 |                                            |
| 2021-07-11 10:44:00 | Time GE Received                       |      |      | 11:45:38                                   |
| 2021-07-11 10:44:00 | Time Of Report                         |      |      | 10:44:00                                   |
| 2021-07-11 10:44:00 | Total Air Temperature Aircraft         |      |      | -9.5                                       |
| 2021-07-11 10:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-11 10:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-11 10:44:00 | Vibration N1 #1 Bearing                | 0.22 | 0.09 |                                            |
| 2021-07-11 10:44:00 | Vibration N1 Phase Angle #1 Bearing    | 113  | 76   |                                            |
| 2021-07-11 10:44:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 84   |                                            |
| 2021-07-11 10:44:00 | Vibration N1 Turbine Frame             | 0.43 | 0.28 |                                            |
| 2021-07-11 10:44:00 | Vibration N2 #1 Bearing                | 0.02 | 0.12 |                                            |
| 2021-07-11 10:44:00 | Vibration N2 Turbine Frame             | 0.03 | 0.1  |                                            |
| 2021-07-11 06:57:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-07-11 06:57:00 | (1)                                    |      |      | 757                                        |
| 2021-07-11 06:57:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-11 06:57:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-11 06:57:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-11 06:57:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-11 06:57:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-11 06:57:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-11 06:57:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-11 06:57:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-11 06:57:00 | Air Speed Indicated                    |      |      | 261.5                                      |
| 2021-07-11 06:57:00 | Aircraft Gross Weight                  |      |      | 60309                                      |
| 2021-07-11 06:57:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-11 06:57:00 | Altitude                               |      |      | 35104                                      |
| 2021-07-11 06:57:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-11 06:57:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-11 06:57:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-11 06:57:00 | Core Speed                             | 93.2 | 92.8 |                                            |
| 2021-07-11 06:57:00 | Date GE Received                       |      |      | 07/11/2021                                 |
| 2021-07-11 06:57:00 | Date of Report                         |      |      | 07/11/2021                                 |
| 2021-07-11 06:57:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-11 06:57:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-07-11 06:57:00 | Downlink Ground Station                |      |      | SZX                                        |
| 2021-07-11 06:57:00 | EGT Exhaust Gas Temperature            | 655  | 667  |                                            |
| 2021-07-11 06:57:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-11 06:57:00 | Flight Counter                         |      |      | 1366                                       |
| 2021-07-11 06:57:00 | Flight Number ACARS                    |      |      | 5757                                       |
| 2021-07-11 06:57:00 | Flight Number ACMS                     |      |      | 5757                                       |
| 2021-07-11 06:57:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-11 06:57:00 | Fuel Flow                              | 1143 | 1139 |                                            |
| 2021-07-11 06:57:00 | Ground Speed                           |      |      | 458.5                                      |
| 2021-07-11 06:57:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-11 06:57:00 | Leg                                    |      |      | 1                                          |
| 2021-07-11 06:57:00 | Mach Number                            |      |      | 0.774                                      |
| 2021-07-11 06:57:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-11 06:57:00 | N1 Indicated Fan Speed                 | 87.4 | 87.4 |                                            |
| 2021-07-11 06:57:00 | Oil Pressure                           | 44   | 45   |                                            |
| 2021-07-11 06:57:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-11 06:57:00 | Report Number ACMS                     |      |      | CRZ                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-11 06:57:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-11 06:57:00 | Temperature Static Air                 |      |      | -40.3                                      |
| 2021-07-11 06:57:00 | Throttle Lever Angle                   | 61.5 | 61.5 |                                            |
| 2021-07-11 06:57:00 | Time GE Received                       |      |      | 07:59:07                                   |
| 2021-07-11 06:57:00 | Time Of Report                         |      |      | 06:57:00                                   |
| 2021-07-11 06:57:00 | Total Air Temperature Aircraft         |      |      | -12.3                                      |
| 2021-07-11 06:57:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-11 06:57:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-11 06:57:00 | Vibration N1 #1 Bearing                | 0.11 | 0.09 |                                            |
| 2021-07-11 06:57:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 24   |                                            |
| 2021-07-11 06:57:00 | Vibration N1 Phase Angle Turbine Frame | 130  | 69   |                                            |
| 2021-07-11 06:57:00 | Vibration N1 Turbine Frame             | 0.37 | 0.29 |                                            |
| 2021-07-11 06:57:00 | Vibration N2 #1 Bearing                | 0.06 | 0.11 |                                            |
| 2021-07-11 06:57:00 | Vibration N2 Turbine Frame             | 0.08 | 0.11 |                                            |
| 2021-07-11 02:43:00 | (1)                                    |      | 63.2 | 21                                         |
| 2021-07-11 02:43:00 | (1)                                    |      |      | 752                                        |
| 2021-07-11 02:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-11 02:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-11 02:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-11 02:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-11 02:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-11 02:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-11 02:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-11 02:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-11 02:43:00 | Air Speed Indicated                    |      |      | 273.7                                      |
| 2021-07-11 02:43:00 | Aircraft Gross Weight                  |      |      | 68256                                      |
| 2021-07-11 02:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-11 02:43:00 | Altitude                               |      |      | 32099                                      |
| 2021-07-11 02:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-11 02:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-11 02:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-11 02:43:00 | Core Speed                             | 94.9 | 94.7 |                                            |
| 2021-07-11 02:43:00 | Date GE Received                       |      |      | 07/11/2021                                 |
| 2021-07-11 02:43:00 | Date of Report                         |      |      | 07/11/2021                                 |
| 2021-07-11 02:43:00 | Departure Station                      |      |      | ZBT                                        |
| 2021-07-11 02:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-11 02:43:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-11 02:43:00 | EGT Exhaust Gas Temperature            | 682  | 677  |                                            |
| 2021-07-11 02:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-11 02:43:00 | Flight Counter                         |      |      | 2671                                       |
| 2021-07-11 02:43:00 | Flight Number ACARS                    |      |      | 5752                                       |
| 2021-07-11 02:43:00 | Flight Number ACMS                     |      |      | 5752                                       |
| 2021-07-11 02:43:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-11 02:43:00 | Fuel Flow                              | 1346 | 1324 |                                            |
| 2021-07-11 02:43:00 | Ground Speed                           |      |      | 443.9                                      |
| 2021-07-11 02:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-11 02:43:00 | Leg                                    |      |      | 1                                          |
| 2021-07-11 02:43:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-07-11 02:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-11 02:43:00 | N1 Indicated Fan Speed                 | 89.3 | 89.3 |                                            |
| 2021-07-11 02:43:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-11 02:43:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-11 02:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-11 02:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-11 02:43:00 | Temperature Static Air                 |      |      | -32                                        |
| 2021-07-11 02:43:00 | Throttle Lever Angle                   | 63.2 | 63.2 |                                            |
| 2021-07-11 02:43:00 | Time GE Received                       |      |      | 04:45:39                                   |
| 2021-07-11 02:43:00 | Time Of Report                         |      |      | 02:43:00                                   |
| 2021-07-11 02:43:00 | Total Air Temperature Aircraft         |      |      | -4.3                                       |
| 2021-07-11 02:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-11 02:43:00 | Unknown parameter/formatting character |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-11 02:43:00 | Vibration N1 #1 Bearing                | 0.42 | 0.28 |                                            |
| 2021-07-11 02:43:00 | Vibration N1 Phase Angle #1 Bearing    | 105  | 96   |                                            |
| 2021-07-11 02:43:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 113  |                                            |
| 2021-07-11 02:43:00 | Vibration N1 Turbine Frame             | 0.49 | 0.47 |                                            |
| 2021-07-11 02:43:00 | Vibration N2 #1 Bearing                | 0.04 | 0.14 |                                            |
| 2021-07-11 02:43:00 | Vibration N2 Turbine Frame             | 0.1  | 0.03 |                                            |
| 2021-07-10 16:11:00 | (1)                                    |      | 64.8 | 21                                         |
| 2021-07-10 16:11:00 | (1)                                    |      |      | 751                                        |
| 2021-07-10 16:11:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-10 16:11:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-10 16:11:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-10 16:11:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-10 16:11:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-10 16:11:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-10 16:11:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-10 16:11:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-10 16:11:00 | Air Speed Indicated                    |      |      | 259.5                                      |
| 2021-07-10 16:11:00 | Aircraft Gross Weight                  |      |      | 68056                                      |
| 2021-07-10 16:11:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-10 16:11:00 | Altitude                               |      |      | 35102                                      |
| 2021-07-10 16:11:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-10 16:11:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-10 16:11:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-10 16:11:00 | Core Speed                             | 95.2 | 94.8 |                                            |
| 2021-07-10 16:11:00 | Date GE Received                       |      |      | 07/10/2021                                 |
| 2021-07-10 16:11:00 | Date of Report                         |      |      | 07/10/2021                                 |
| 2021-07-10 16:11:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-10 16:11:00 | Destination Station                    |      |      | ZBT                                        |
| 2021-07-10 16:11:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-07-10 16:11:00 | EGT Exhaust Gas Temperature            | 705  | 716  |                                            |
| 2021-07-10 16:11:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-10 16:11:00 | Flight Counter                         |      |      | 3838                                       |
| 2021-07-10 16:11:00 | Flight Number ACARS                    |      |      | 5751                                       |
| 2021-07-10 16:11:00 | Flight Number ACMS                     |      |      | 5751                                       |
| 2021-07-10 16:11:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-10 16:11:00 | Fuel Flow                              | 1308 | 1312 |                                            |
| 2021-07-10 16:11:00 | Ground Speed                           |      |      | 451.5                                      |
| 2021-07-10 16:11:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-10 16:11:00 | Leg                                    |      |      | 1                                          |
| 2021-07-10 16:11:00 | Mach Number                            |      |      | 0.769                                      |
| 2021-07-10 16:11:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-10 16:11:00 | N1 Indicated Fan Speed                 | 90.8 | 90.9 |                                            |
| 2021-07-10 16:11:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-10 16:11:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-10 16:11:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-10 16:11:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-10 16:11:00 | Temperature Static Air                 |      |      | -37.5                                      |
| 2021-07-10 16:11:00 | Throttle Lever Angle                   | 64.8 | 64.8 |                                            |
| 2021-07-10 16:11:00 | Time GE Received                       |      |      | 18:06:15                                   |
| 2021-07-10 16:11:00 | Time Of Report                         |      |      | 16:11:00                                   |
| 2021-07-10 16:11:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-07-10 16:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-10 16:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-10 16:11:00 | Vibration N1 #1 Bearing                | 0.37 | 0.15 |                                            |
| 2021-07-10 16:11:00 | Vibration N1 Phase Angle #1 Bearing    | 124  | 88   |                                            |
| 2021-07-10 16:11:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 108  |                                            |
| 2021-07-10 16:11:00 | Vibration N1 Turbine Frame             | 0.78 | 0.33 |                                            |
| 2021-07-10 16:11:00 | Vibration N2 #1 Bearing                | 0.05 | 0.16 |                                            |
| 2021-07-10 16:11:00 | Vibration N2 Turbine Frame             | 0.07 | 0.05 |                                            |
| 2021-07-10 09:50:00 | (1)                                    |      | 61.7 | 21                                         |
| 2021-07-10 09:50:00 | (1)                                    |      |      | 808                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-10 09:50:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-10 09:50:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-10 09:50:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-10 09:50:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-10 09:50:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-10 09:50:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-10 09:50:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-10 09:50:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-10 09:50:00 | Air Speed Indicated                    |      |      | 279.1                                      |
| 2021-07-10 09:50:00 | Aircraft Gross Weight                  |      |      | 67440                                      |
| 2021-07-10 09:50:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-10 09:50:00 | Altitude                               |      |      | 30105                                      |
| 2021-07-10 09:50:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-10 09:50:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-10 09:50:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-10 09:50:00 | Core Speed                             | 94   | 93.9 |                                            |
| 2021-07-10 09:50:00 | Date GE Received                       |      |      | 07/10/2021                                 |
| 2021-07-10 09:50:00 | Date of Report                         |      |      | 07/10/2021                                 |
| 2021-07-10 09:50:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-10 09:50:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-10 09:50:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-10 09:50:00 | EGT Exhaust Gas Temperature            | 652  | 650  |                                            |
| 2021-07-10 09:50:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-10 09:50:00 | Flight Counter                         |      |      | 2215                                       |
| 2021-07-10 09:50:00 | Flight Number ACARS                    |      |      | 5808                                       |
| 2021-07-10 09:50:00 | Flight Number ACMS                     |      |      | 5808                                       |
| 2021-07-10 09:50:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-10 09:50:00 | Fuel Flow                              | 1288 | 1273 |                                            |
| 2021-07-10 09:50:00 | Ground Speed                           |      |      | 432.9                                      |
| 2021-07-10 09:50:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-10 09:50:00 | Leg                                    |      |      | 1                                          |
| 2021-07-10 09:50:00 | Mach Number                            |      |      | 0.742                                      |
| 2021-07-10 09:50:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-10 09:50:00 | N1 Indicated Fan Speed                 | 86.6 | 86.6 |                                            |
| 2021-07-10 09:50:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-10 09:50:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-07-10 09:50:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-10 09:50:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-10 09:50:00 | Temperature Static Air                 |      |      | -28.3                                      |
| 2021-07-10 09:50:00 | Throttle Lever Angle                   | 61.6 | 61.7 |                                            |
| 2021-07-10 09:50:00 | Time GE Received                       |      |      | 11:53:40                                   |
| 2021-07-10 09:50:00 | Time Of Report                         |      |      | 09:50:00                                   |
| 2021-07-10 09:50:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |
| 2021-07-10 09:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-10 09:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-10 09:50:00 | Vibration N1 #1 Bearing                | 0.2  | 0.18 |                                            |
| 2021-07-10 09:50:00 | Vibration N1 Phase Angle #1 Bearing    | 113  | 88   |                                            |
| 2021-07-10 09:50:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 101  |                                            |
| 2021-07-10 09:50:00 | Vibration N1 Turbine Frame             | 0.37 | 0.37 |                                            |
| 2021-07-10 09:50:00 | Vibration N2 #1 Bearing                | 0.02 | 0.15 |                                            |
| 2021-07-10 09:50:00 | Vibration N2 Turbine Frame             | 0.06 | 0.09 |                                            |
| 2021-07-10 04:32:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-07-10 04:32:00 | (1)                                    |      |      | 807                                        |
| 2021-07-10 04:32:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-10 04:32:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-10 04:32:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-10 04:32:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-10 04:32:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-10 04:32:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-10 04:32:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-10 04:32:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-10 04:32:00 | Air Speed Indicated                    |      |      | 257                                        |
| 2021-07-10 04:32:00 | Aircraft Gross Weight                  |      |      | 67040                                      |
| 2021-07-10 04:32:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-10 04:32:00 | Altitude                               |      |      | 35103                                      |
| 2021-07-10 04:32:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-10 04:32:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-10 04:32:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-10 04:32:00 | Core Speed                             | 94   | 93.7 |                                            |
| 2021-07-10 04:32:00 | Date GE Received                       |      |      | 07/10/2021                                 |
| 2021-07-10 04:32:00 | Date of Report                         |      |      | 07/10/2021                                 |
| 2021-07-10 04:32:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-10 04:32:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-10 04:32:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-07-10 04:32:00 | EGT Exhaust Gas Temperature            | 672  | 678  |                                            |
| 2021-07-10 04:32:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-10 04:32:00 | Flight Counter                         |      |      | 1547                                       |
| 2021-07-10 04:32:00 | Flight Number ACARS                    |      |      | 5807                                       |
| 2021-07-10 04:32:00 | Flight Number ACMS                     |      |      | 5807                                       |
| 2021-07-10 04:32:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-10 04:32:00 | Fuel Flow                              | 1202 | 1190 |                                            |
| 2021-07-10 04:32:00 | Ground Speed                           |      |      | 457.9                                      |
| 2021-07-10 04:32:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-10 04:32:00 | Leg                                    |      |      | 1                                          |
| 2021-07-10 04:32:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-07-10 04:32:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-10 04:32:00 | N1 Indicated Fan Speed                 | 88.9 | 88.9 |                                            |
| 2021-07-10 04:32:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-10 04:32:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-07-10 04:32:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-10 04:32:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-10 04:32:00 | Temperature Static Air                 |      |      | -38.8                                      |
| 2021-07-10 04:32:00 | Throttle Lever Angle                   | 62.7 | 62.6 |                                            |
| 2021-07-10 04:32:00 | Time GE Received                       |      |      | 06:30:11                                   |
| 2021-07-10 04:32:00 | Time Of Report                         |      |      | 04:32:00                                   |
| 2021-07-10 04:32:00 | Total Air Temperature Aircraft         |      |      | -11.5                                      |
| 2021-07-10 04:32:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-10 04:32:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-10 04:32:00 | Vibration N1 #1 Bearing                | 0.28 | 0.07 |                                            |
| 2021-07-10 04:32:00 | Vibration N1 Phase Angle #1 Bearing    | 108  | 112  |                                            |
| 2021-07-10 04:32:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 78   |                                            |
| 2021-07-10 04:32:00 | Vibration N1 Turbine Frame             | 0.39 | 0.3  |                                            |
| 2021-07-10 04:32:00 | Vibration N2 #1 Bearing                | 0.04 | 0.14 |                                            |
| 2021-07-10 04:32:00 | Vibration N2 Turbine Frame             | 0.09 | 0.09 |                                            |
| 2021-07-09 15:31:00 | (1)                                    |      | 62   | 21                                         |
| 2021-07-09 15:31:00 | (1)                                    |      |      | 836                                        |
| 2021-07-09 15:31:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-09 15:31:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-09 15:31:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-09 15:31:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-09 15:31:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-09 15:31:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-09 15:31:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-09 15:31:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-09 15:31:00 | Air Speed Indicated                    |      |      | 280.8                                      |
| 2021-07-09 15:31:00 | Aircraft Gross Weight                  |      |      | 64137                                      |
| 2021-07-09 15:31:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-09 15:31:00 | Altitude                               |      |      | 31101                                      |
| 2021-07-09 15:31:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-09 15:31:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-09 15:31:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-09 15:31:00 | Core Speed                             | 94.4 | 94.3 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-09 15:31:00 | Date GE Received                       |      |      | 07/09/2021                                 |
| 2021-07-09 15:31:00 | Date of Report                         |      |      | 07/09/2021                                 |
| 2021-07-09 15:31:00 | Departure Station                      |      |      | ZLI                                        |
| 2021-07-09 15:31:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-09 15:31:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-09 15:31:00 | EGT Exhaust Gas Temperature            | 654  | 653  |                                            |
| 2021-07-09 15:31:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-09 15:31:00 | Flight Counter                         |      |      | 2398                                       |
| 2021-07-09 15:31:00 | Flight Number ACARS                    |      |      | 5836                                       |
| 2021-07-09 15:31:00 | Flight Number ACMS                     |      |      | 5836                                       |
| 2021-07-09 15:31:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-09 15:31:00 | Fuel Flow                              | 1278 | 1261 |                                            |
| 2021-07-09 15:31:00 | Ground Speed                           |      |      | 439.5                                      |
| 2021-07-09 15:31:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-09 15:31:00 | Leg                                    |      |      | 1                                          |
| 2021-07-09 15:31:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-07-09 15:31:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-09 15:31:00 | N1 Indicated Fan Speed                 | 87.2 | 87.2 |                                            |
| 2021-07-09 15:31:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-09 15:31:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-09 15:31:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-09 15:31:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-09 15:31:00 | Temperature Static Air                 |      |      | -30.2                                      |
| 2021-07-09 15:31:00 | Throttle Lever Angle                   | 62   | 62   |                                            |
| 2021-07-09 15:31:00 | Time GE Received                       |      |      | 17:10:19                                   |
| 2021-07-09 15:31:00 | Time Of Report                         |      |      | 15:31:00                                   |
| 2021-07-09 15:31:00 | Total Air Temperature Aircraft         |      |      | -2.3                                       |
| 2021-07-09 15:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 15:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 15:31:00 | Vibration N1 #1 Bearing                | 0.24 | 0.19 |                                            |
| 2021-07-09 15:31:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 88   |                                            |
| 2021-07-09 15:31:00 | Vibration N1 Phase Angle Turbine Frame | 134  | 96   |                                            |
| 2021-07-09 15:31:00 | Vibration N1 Turbine Frame             | 0.44 | 0.35 |                                            |
| 2021-07-09 15:31:00 | Vibration N2 #1 Bearing                | 0.01 | 0.11 |                                            |
| 2021-07-09 15:31:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-07-09 12:01:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-07-09 12:01:00 | (1)                                    |      |      | 835                                        |
| 2021-07-09 12:01:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-09 12:01:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-09 12:01:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-09 12:01:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-09 12:01:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-09 12:01:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-09 12:01:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-09 12:01:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-09 12:01:00 | Air Speed Indicated                    |      |      | 269                                        |
| 2021-07-09 12:01:00 | Aircraft Gross Weight                  |      |      | 60853                                      |
| 2021-07-09 12:01:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-09 12:01:00 | Altitude                               |      |      | 33096                                      |
| 2021-07-09 12:01:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-09 12:01:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-09 12:01:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-09 12:01:00 | Core Speed                             | 94.3 | 93.9 |                                            |
| 2021-07-09 12:01:00 | Date GE Received                       |      |      | 07/09/2021                                 |
| 2021-07-09 12:01:00 | Date of Report                         |      |      | 07/09/2021                                 |
| 2021-07-09 12:01:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-09 12:01:00 | Destination Station                    |      |      | ZLI                                        |
| 2021-07-09 12:01:00 | Downlink Ground Station                |      |      | INC                                        |
| 2021-07-09 12:01:00 | EGT Exhaust Gas Temperature            | 663  | 672  |                                            |
| 2021-07-09 12:01:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-09 12:01:00 | Flight Counter                         |      |      | 3333                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-09 12:01:00 | Flight Number ACARS                    |      |      | 5835                                       |
| 2021-07-09 12:01:00 | Flight Number ACMS                     |      |      | 5835                                       |
| 2021-07-09 12:01:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-09 12:01:00 | Fuel Flow                              | 1221 | 1211 |                                            |
| 2021-07-09 12:01:00 | Ground Speed                           |      |      | 455.4                                      |
| 2021-07-09 12:01:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-09 12:01:00 | Leg                                    |      |      | 1                                          |
| 2021-07-09 12:01:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-07-09 12:01:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-09 12:01:00 | N1 Indicated Fan Speed                 | 87.9 | 87.8 |                                            |
| 2021-07-09 12:01:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-09 12:01:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-09 12:01:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-09 12:01:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-09 12:01:00 | Temperature Static Air                 |      |      | -32.7                                      |
| 2021-07-09 12:01:00 | Throttle Lever Angle                   | 62.2 | 62.3 |                                            |
| 2021-07-09 12:01:00 | Time GE Received                       |      |      | 13:40:54                                   |
| 2021-07-09 12:01:00 | Time Of Report                         |      |      | 12:01:00                                   |
| 2021-07-09 12:01:00 | Total Air Temperature Aircraft         |      |      | -4.8                                       |
| 2021-07-09 12:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 12:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 12:01:00 | Vibration N1 #1 Bearing                | 0.2  | 0.1  |                                            |
| 2021-07-09 12:01:00 | Vibration N1 Phase Angle #1 Bearing    | 108  | 76   |                                            |
| 2021-07-09 12:01:00 | Vibration N1 Phase Angle Turbine Frame | 133  | 91   |                                            |
| 2021-07-09 12:01:00 | Vibration N1 Turbine Frame             | 0.38 | 0.28 |                                            |
| 2021-07-09 12:01:00 | Vibration N2 #1 Bearing                | 0.03 | 0.18 |                                            |
| 2021-07-09 12:01:00 | Vibration N2 Turbine Frame             | 0.07 | 0.12 |                                            |
| 2021-07-09 08:53:00 | (1)                                    |      | 60.2 | 21                                         |
| 2021-07-09 08:53:00 | (1)                                    |      |      | 890                                        |
| 2021-07-09 08:53:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-09 08:53:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-09 08:53:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-09 08:53:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-09 08:53:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-09 08:53:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-09 08:53:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-09 08:53:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-09 08:53:00 | Air Speed Indicated                    |      |      | 279.1                                      |
| 2021-07-09 08:53:00 | Aircraft Gross Weight                  |      |      | 60273                                      |
| 2021-07-09 08:53:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-09 08:53:00 | Altitude                               |      |      | 27613                                      |
| 2021-07-09 08:53:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-09 08:53:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-09 08:53:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-09 08:53:00 | Core Speed                             | 93.8 | 93.7 |                                            |
| 2021-07-09 08:53:00 | Date GE Received                       |      |      | 07/09/2021                                 |
| 2021-07-09 08:53:00 | Date of Report                         |      |      | 07/09/2021                                 |
| 2021-07-09 08:53:00 | Departure Station                      |      |      | ZGN                                        |
| 2021-07-09 08:53:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-09 08:53:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-09 08:53:00 | EGT Exhaust Gas Temperature            | 635  | 636  |                                            |
| 2021-07-09 08:53:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-09 08:53:00 | Flight Counter                         |      |      | 516                                        |
| 2021-07-09 08:53:00 | Flight Number ACARS                    |      |      | 5890                                       |
| 2021-07-09 08:53:00 | Flight Number ACMS                     |      |      | 5890                                       |
| 2021-07-09 08:53:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-09 08:53:00 | Fuel Flow                              | 1255 | 1233 |                                            |
| 2021-07-09 08:53:00 | Ground Speed                           |      |      | 449.7                                      |
| 2021-07-09 08:53:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-09 08:53:00 | Leg                                    |      |      | 1                                          |
| 2021-07-09 08:53:00 | Mach Number                            |      |      | 0.706                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-09 08:53:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-09 08:53:00 | N1 Indicated Fan Speed                 | 84.2 | 84.1 |                                            |
| 2021-07-09 08:53:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-09 08:53:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-09 08:53:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-09 08:53:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-09 08:53:00 | Temperature Static Air                 |      |      | -21.5                                      |
| 2021-07-09 08:53:00 | Throttle Lever Angle                   | 60.3 | 60.2 |                                            |
| 2021-07-09 08:53:00 | Time GE Received                       |      |      | 09:22:37                                   |
| 2021-07-09 08:53:00 | Time Of Report                         |      |      | 08:53:00                                   |
| 2021-07-09 08:53:00 | Total Air Temperature Aircraft         |      |      | 3.8                                        |
| 2021-07-09 08:53:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 08:53:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 08:53:00 | Vibration N1 #1 Bearing                | 0.07 | 0.11 |                                            |
| 2021-07-09 08:53:00 | Vibration N1 Phase Angle #1 Bearing    | 124  | 76   |                                            |
| 2021-07-09 08:53:00 | Vibration N1 Phase Angle Turbine Frame | 122  | 76   |                                            |
| 2021-07-09 08:53:00 | Vibration N1 Turbine Frame             | 0.28 | 0.25 |                                            |
| 2021-07-09 08:53:00 | Vibration N2 #1 Bearing                | 0.04 | 0.13 |                                            |
| 2021-07-09 08:53:00 | Vibration N2 Turbine Frame             | 0.08 | 0.08 |                                            |
| 2021-07-09 06:13:00 | (1)                                    |      | 57.9 | 21                                         |
| 2021-07-09 06:13:00 | (1)                                    |      |      | 889                                        |
| 2021-07-09 06:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-09 06:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-09 06:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-09 06:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-09 06:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-09 06:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-09 06:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-09 06:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-09 06:13:00 | Air Speed Indicated                    |      |      | 260.7                                      |
| 2021-07-09 06:13:00 | Aircraft Gross Weight                  |      |      | 61361                                      |
| 2021-07-09 06:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-09 06:13:00 | Altitude                               |      |      | 24609                                      |
| 2021-07-09 06:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-09 06:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-09 06:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-09 06:13:00 | Core Speed                             | 92.4 | 92.2 |                                            |
| 2021-07-09 06:13:00 | Date GE Received                       |      |      | 07/09/2021                                 |
| 2021-07-09 06:13:00 | Date of Report                         |      |      | 07/09/2021                                 |
| 2021-07-09 06:13:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-09 06:13:00 | Destination Station                    |      |      | ZGN                                        |
| 2021-07-09 06:13:00 | Downlink Ground Station                |      |      | NNG                                        |
| 2021-07-09 06:13:00 | EGT Exhaust Gas Temperature            | 608  | 622  |                                            |
| 2021-07-09 06:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-09 06:13:00 | Flight Counter                         |      |      | 2224                                       |
| 2021-07-09 06:13:00 | Flight Number ACARS                    |      |      | 5889                                       |
| 2021-07-09 06:13:00 | Flight Number ACMS                     |      |      | 5889                                       |
| 2021-07-09 06:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-09 06:13:00 | Fuel Flow                              | 1181 | 1182 |                                            |
| 2021-07-09 06:13:00 | Ground Speed                           |      |      | 380.9                                      |
| 2021-07-09 06:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-09 06:13:00 | Leg                                    |      |      | 1                                          |
| 2021-07-09 06:13:00 | Mach Number                            |      |      | 0.624                                      |
| 2021-07-09 06:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-09 06:13:00 | N1 Indicated Fan Speed                 | 80.3 | 80.3 |                                            |
| 2021-07-09 06:13:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-09 06:13:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-07-09 06:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-09 06:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-09 06:13:00 | Temperature Static Air                 |      |      | -15.8                                      |
| 2021-07-09 06:13:00 | Throttle Lever Angle                   | 57.9 | 57.9 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-09 06:13:00 | Time GE Received                       |      |      | 06:50:51                                   |
| 2021-07-09 06:13:00 | Time Of Report                         |      |      | 06:13:00                                   |
| 2021-07-09 06:13:00 | Total Air Temperature Aircraft         |      |      | 4.3                                        |
| 2021-07-09 06:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 06:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 06:13:00 | Vibration N1 #1 Bearing                | 0.09 | 0.05 |                                            |
| 2021-07-09 06:13:00 | Vibration N1 Phase Angle #1 Bearing    | 165  | 17   |                                            |
| 2021-07-09 06:13:00 | Vibration N1 Phase Angle Turbine Frame | 77   | 35   |                                            |
| 2021-07-09 06:13:00 | Vibration N1 Turbine Frame             | 0.3  | 0.19 |                                            |
| 2021-07-09 06:13:00 | Vibration N2 #1 Bearing                | 0.05 | 0.08 |                                            |
| 2021-07-09 06:13:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-07-09 01:51:00 | (1)                                    |      | 60.1 | 21                                         |
| 2021-07-09 01:51:00 | (1)                                    |      |      | 754                                        |
| 2021-07-09 01:51:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-09 01:51:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-09 01:51:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-09 01:51:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-09 01:51:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-09 01:51:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-09 01:51:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-09 01:51:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-09 01:51:00 | Air Speed Indicated                    |      |      | 299.6                                      |
| 2021-07-09 01:51:00 | Aircraft Gross Weight                  |      |      | 64591                                      |
| 2021-07-09 01:51:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-09 01:51:00 | Altitude                               |      |      | 23604                                      |
| 2021-07-09 01:51:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-09 01:51:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-09 01:51:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-09 01:51:00 | Core Speed                             | 93.5 | 93.4 |                                            |
| 2021-07-09 01:51:00 | Date GE Received                       |      |      | 07/09/2021                                 |
| 2021-07-09 01:51:00 | Date of Report                         |      |      | 07/09/2021                                 |
| 2021-07-09 01:51:00 | Departure Station                      |      |      | ZBH                                        |
| 2021-07-09 01:51:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-09 01:51:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-09 01:51:00 | EGT Exhaust Gas Temperature            | 628  | 630  |                                            |
| 2021-07-09 01:51:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-09 01:51:00 | Flight Counter                         |      |      | 2388                                       |
| 2021-07-09 01:51:00 | Flight Number ACARS                    |      |      | 5754                                       |
| 2021-07-09 01:51:00 | Flight Number ACMS                     |      |      | 5754                                       |
| 2021-07-09 01:51:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-09 01:51:00 | Fuel Flow                              | 1421 | 1406 |                                            |
| 2021-07-09 01:51:00 | Ground Speed                           |      |      | 421                                        |
| 2021-07-09 01:51:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-09 01:51:00 | Leg                                    |      |      | 1                                          |
| 2021-07-09 01:51:00 | Mach Number                            |      |      | 0.697                                      |
| 2021-07-09 01:51:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-09 01:51:00 | N1 Indicated Fan Speed                 | 83.4 | 83.4 |                                            |
| 2021-07-09 01:51:00 | Oil Pressure                           | 49   | 50   |                                            |
| 2021-07-09 01:51:00 | Oil Temperature                        | 106  | 106  |                                            |
| 2021-07-09 01:51:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-09 01:51:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-09 01:51:00 | Temperature Static Air                 |      |      | -18.3                                      |
| 2021-07-09 01:51:00 | Throttle Lever Angle                   | 60.1 | 60.1 |                                            |
| 2021-07-09 01:51:00 | Time GE Received                       |      |      | 03:59:00                                   |
| 2021-07-09 01:51:00 | Time Of Report                         |      |      | 01:51:00                                   |
| 2021-07-09 01:51:00 | Total Air Temperature Aircraft         |      |      | 6.5                                        |
| 2021-07-09 01:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 01:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-09 01:51:00 | Vibration N1 #1 Bearing                | 0.09 | 0.13 |                                            |
| 2021-07-09 01:51:00 | Vibration N1 Phase Angle #1 Bearing    | 154  | 76   |                                            |
| 2021-07-09 01:51:00 | Vibration N1 Phase Angle Turbine Frame | 71   | 79   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-09 01:51:00 | Vibration N1 Turbine Frame             | 0.32 | 0.28 |                                            |
| 2021-07-09 01:51:00 | Vibration N2 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-07-09 01:51:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-07-08 13:56:00 | (1)                                    |      | 63   | 21                                         |
| 2021-07-08 13:56:00 | (1)                                    |      |      | 753                                        |
| 2021-07-08 13:56:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-08 13:56:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-08 13:56:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-08 13:56:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-08 13:56:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-08 13:56:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-08 13:56:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-08 13:56:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-08 13:56:00 | Air Speed Indicated                    |      |      | 250.7                                      |
| 2021-07-08 13:56:00 | Aircraft Gross Weight                  |      |      | 66151                                      |
| 2021-07-08 13:56:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-08 13:56:00 | Altitude                               |      |      | 35099                                      |
| 2021-07-08 13:56:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-08 13:56:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-08 13:56:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-08 13:56:00 | Core Speed                             | 93.9 | 93.6 |                                            |
| 2021-07-08 13:56:00 | Date GE Received                       |      |      | 07/08/2021                                 |
| 2021-07-08 13:56:00 | Date of Report                         |      |      | 07/08/2021                                 |
| 2021-07-08 13:56:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-08 13:56:00 | Destination Station                    |      |      | ZBH                                        |
| 2021-07-08 13:56:00 | Downlink Ground Station                |      |      | HET                                        |
| 2021-07-08 13:56:00 | EGT Exhaust Gas Temperature            | 673  | 690  |                                            |
| 2021-07-08 13:56:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-08 13:56:00 | Flight Counter                         |      |      | 2603                                       |
| 2021-07-08 13:56:00 | Flight Number ACARS                    |      |      | 5753                                       |
| 2021-07-08 13:56:00 | Flight Number ACMS                     |      |      | 5753                                       |
| 2021-07-08 13:56:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-08 13:56:00 | Fuel Flow                              | 1186 | 1185 |                                            |
| 2021-07-08 13:56:00 | Ground Speed                           |      |      | 418                                        |
| 2021-07-08 13:56:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-08 13:56:00 | Leg                                    |      |      | 1                                          |
| 2021-07-08 13:56:00 | Mach Number                            |      |      | 0.745                                      |
| 2021-07-08 13:56:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-08 13:56:00 | N1 Indicated Fan Speed                 | 88.5 | 88.5 |                                            |
| 2021-07-08 13:56:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-08 13:56:00 | Oil Temperature                        | 110  | 108  |                                            |
| 2021-07-08 13:56:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-08 13:56:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-08 13:56:00 | Temperature Static Air                 |      |      | -38.3                                      |
| 2021-07-08 13:56:00 | Throttle Lever Angle                   | 63   | 63   |                                            |
| 2021-07-08 13:56:00 | Time GE Received                       |      |      | 15:38:59                                   |
| 2021-07-08 13:56:00 | Time Of Report                         |      |      | 13:56:00                                   |
| 2021-07-08 13:56:00 | Total Air Temperature Aircraft         |      |      | -12.3                                      |
| 2021-07-08 13:56:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 13:56:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 13:56:00 | Vibration N1 #1 Bearing                | 0.16 | 0.06 |                                            |
| 2021-07-08 13:56:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 55   |                                            |
| 2021-07-08 13:56:00 | Vibration N1 Phase Angle Turbine Frame | 108  | 77   |                                            |
| 2021-07-08 13:56:00 | Vibration N1 Turbine Frame             | 0.43 | 0.23 |                                            |
| 2021-07-08 13:56:00 | Vibration N2 #1 Bearing                | 0.01 | 0.1  |                                            |
| 2021-07-08 13:56:00 | Vibration N2 Turbine Frame             | 0.03 | 0.07 |                                            |
| 2021-07-08 09:16:00 | (1)                                    |      | 60.2 | 21                                         |
| 2021-07-08 09:16:00 | (1)                                    |      |      | 890                                        |
| 2021-07-08 09:16:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-08 09:16:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-08 09:16:00 | Air Conditioning Pack 1                |      |      | 1                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-08 09:16:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-08 09:16:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-08 09:16:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-08 09:16:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-08 09:16:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-08 09:16:00 | Air Speed Indicated                    |      |      | 278.3                                      |
| 2021-07-08 09:16:00 | Aircraft Gross Weight                  |      |      | 58477                                      |
| 2021-07-08 09:16:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-08 09:16:00 | Altitude                               |      |      | 25602                                      |
| 2021-07-08 09:16:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-08 09:16:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-08 09:16:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-08 09:16:00 | Core Speed                             | 93.8 | 93.7 |                                            |
| 2021-07-08 09:16:00 | Date GE Received                       |      |      | 07/08/2021                                 |
| 2021-07-08 09:16:00 | Date of Report                         |      |      | 07/08/2021                                 |
| 2021-07-08 09:16:00 | Departure Station                      |      |      | ZGN                                        |
| 2021-07-08 09:16:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-08 09:16:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-08 09:16:00 | EGT Exhaust Gas Temperature            | 635  | 635  |                                            |
| 2021-07-08 09:16:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-08 09:16:00 | Flight Counter                         |      |      | 2911                                       |
| 2021-07-08 09:16:00 | Flight Number ACARS                    |      |      | 5890                                       |
| 2021-07-08 09:16:00 | Flight Number ACMS                     |      |      | 5890                                       |
| 2021-07-08 09:16:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-08 09:16:00 | Fuel Flow                              | 1261 | 1249 |                                            |
| 2021-07-08 09:16:00 | Ground Speed                           |      |      | 425.9                                      |
| 2021-07-08 09:16:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-08 09:16:00 | Leg                                    |      |      | 1                                          |
| 2021-07-08 09:16:00 | Mach Number                            |      |      | 0.676                                      |
| 2021-07-08 09:16:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-08 09:16:00 | N1 Indicated Fan Speed                 | 82.5 | 82.5 |                                            |
| 2021-07-08 09:16:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-08 09:16:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-08 09:16:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-08 09:16:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-08 09:16:00 | Temperature Static Air                 |      |      | -15.8                                      |
| 2021-07-08 09:16:00 | Throttle Lever Angle                   | 60.2 | 60.2 |                                            |
| 2021-07-08 09:16:00 | Time GE Received                       |      |      | 09:31:52                                   |
| 2021-07-08 09:16:00 | Time Of Report                         |      |      | 09:16:00                                   |
| 2021-07-08 09:16:00 | Total Air Temperature Aircraft         |      |      | 8                                          |
| 2021-07-08 09:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 09:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 09:16:00 | Vibration N1 #1 Bearing                | 0.06 | 0.07 |                                            |
| 2021-07-08 09:16:00 | Vibration N1 Phase Angle #1 Bearing    | 151  | 67   |                                            |
| 2021-07-08 09:16:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 56   |                                            |
| 2021-07-08 09:16:00 | Vibration N1 Turbine Frame             | 0.23 | 0.18 |                                            |
| 2021-07-08 09:16:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-07-08 09:16:00 | Vibration N2 Turbine Frame             | 0.08 | 0.07 |                                            |
| 2021-07-08 06:36:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-07-08 06:36:00 | (1)                                    |      |      | 889                                        |
| 2021-07-08 06:36:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-08 06:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-08 06:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-08 06:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-08 06:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-08 06:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-08 06:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-08 06:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-08 06:36:00 | Air Speed Indicated                    |      |      | 286.4                                      |
| 2021-07-08 06:36:00 | Aircraft Gross Weight                  |      |      | 60001                                      |
| 2021-07-08 06:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-08 06:36:00 | Altitude                               |      |      | 29101                                      |
| 2021-07-08 06:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-08 06:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-08 06:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-08 06:36:00 | Core Speed                             | 94.8 | 94.8 |                                            |
| 2021-07-08 06:36:00 | Date GE Received                       |      |      | 07/08/2021                                 |
| 2021-07-08 06:36:00 | Date of Report                         |      |      | 07/08/2021                                 |
| 2021-07-08 06:36:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-08 06:36:00 | Destination Station                    |      |      | ZGN                                        |
| 2021-07-08 06:36:00 | Downlink Ground Station                |      |      | NNG                                        |
| 2021-07-08 06:36:00 | EGT Exhaust Gas Temperature            | 665  | 665  |                                            |
| 2021-07-08 06:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-08 06:36:00 | Flight Counter                         |      |      | 509                                        |
| 2021-07-08 06:36:00 | Flight Number ACARS                    |      |      | 5889                                       |
| 2021-07-08 06:36:00 | Flight Number ACMS                     |      |      | 5889                                       |
| 2021-07-08 06:36:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-07-08 06:36:00 | Fuel Flow                              | 1326 | 1313 |                                            |
| 2021-07-08 06:36:00 | Ground Speed                           |      |      | 439.3                                      |
| 2021-07-08 06:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-08 06:36:00 | Leg                                    |      |      | 1                                          |
| 2021-07-08 06:36:00 | Mach Number                            |      |      | 0.744                                      |
| 2021-07-08 06:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-08 06:36:00 | N1 Indicated Fan Speed                 | 86.4 | 86.5 |                                            |
| 2021-07-08 06:36:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-08 06:36:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-07-08 06:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-08 06:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-08 06:36:00 | Temperature Static Air                 |      |      | -23.8                                      |
| 2021-07-08 06:36:00 | Throttle Lever Angle                   | 62.4 | 62.5 |                                            |
| 2021-07-08 06:36:00 | Time GE Received                       |      |      | 07:07:21                                   |
| 2021-07-08 06:36:00 | Time Of Report                         |      |      | 06:36:00                                   |
| 2021-07-08 06:36:00 | Total Air Temperature Aircraft         |      |      | 3.8                                        |
| 2021-07-08 06:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 06:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 06:36:00 | Vibration N1 #1 Bearing                | 0.17 | 0.16 |                                            |
| 2021-07-08 06:36:00 | Vibration N1 Phase Angle #1 Bearing    | 112  | 71   |                                            |
| 2021-07-08 06:36:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 93   |                                            |
| 2021-07-08 06:36:00 | Vibration N1 Turbine Frame             | 0.41 | 0.31 |                                            |
| 2021-07-08 06:36:00 | Vibration N2 #1 Bearing                | 0.08 | 0.22 |                                            |
| 2021-07-08 06:36:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-07-08 02:36:00 | (1)                                    |      | 61.3 | 21                                         |
| 2021-07-08 02:36:00 | (1)                                    |      |      | 752                                        |
| 2021-07-08 02:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-08 02:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-08 02:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-08 02:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-08 02:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-08 02:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-08 02:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-08 02:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-08 02:36:00 | Air Speed Indicated                    |      |      | 276.3                                      |
| 2021-07-08 02:36:00 | Aircraft Gross Weight                  |      |      | 64881                                      |
| 2021-07-08 02:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-08 02:36:00 | Altitude                               |      |      | 32099                                      |
| 2021-07-08 02:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-08 02:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-08 02:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-08 02:36:00 | Core Speed                             | 92.8 | 92.7 |                                            |
| 2021-07-08 02:36:00 | Date GE Received                       |      |      | 07/08/2021                                 |
| 2021-07-08 02:36:00 | Date of Report                         |      |      | 07/08/2021                                 |
| 2021-07-08 02:36:00 | Departure Station                      |      |      | ZBT                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-08 02:36:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-08 02:36:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-08 02:36:00 | EGT Exhaust Gas Temperature            | 641  | 633  |                                            |
| 2021-07-08 02:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-08 02:36:00 | Flight Counter                         |      |      | 1005                                       |
| 2021-07-08 02:36:00 | Flight Number ACARS                    |      |      | 5752                                       |
| 2021-07-08 02:36:00 | Flight Number ACMS                     |      |      | 5752                                       |
| 2021-07-08 02:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-08 02:36:00 | Fuel Flow                              | 1276 | 1251 |                                            |
| 2021-07-08 02:36:00 | Ground Speed                           |      |      | 436.4                                      |
| 2021-07-08 02:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-08 02:36:00 | Leg                                    |      |      | 1                                          |
| 2021-07-08 02:36:00 | Mach Number                            |      |      | 0.765                                      |
| 2021-07-08 02:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-08 02:36:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-07-08 02:36:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-07-08 02:36:00 | Oil Temperature                        | 106  | 105  |                                            |
| 2021-07-08 02:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-08 02:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-08 02:36:00 | Temperature Static Air                 |      |      | -40.8                                      |
| 2021-07-08 02:36:00 | Throttle Lever Angle                   | 61.3 | 61.3 |                                            |
| 2021-07-08 02:36:00 | Time GE Received                       |      |      | 04:58:45                                   |
| 2021-07-08 02:36:00 | Time Of Report                         |      |      | 02:36:00                                   |
| 2021-07-08 02:36:00 | Total Air Temperature Aircraft         |      |      | -13.8                                      |
| 2021-07-08 02:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 02:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-08 02:36:00 | Vibration N1 #1 Bearing                | 0.17 | 0.22 |                                            |
| 2021-07-08 02:36:00 | Vibration N1 Phase Angle #1 Bearing    | 113  | 69   |                                            |
| 2021-07-08 02:36:00 | Vibration N1 Phase Angle Turbine Frame | 140  | 86   |                                            |
| 2021-07-08 02:36:00 | Vibration N1 Turbine Frame             | 0.35 | 0.32 |                                            |
| 2021-07-08 02:36:00 | Vibration N2 #1 Bearing                | 0.03 | 0.07 |                                            |
| 2021-07-08 02:36:00 | Vibration N2 Turbine Frame             | 0.02 | 0.09 |                                            |
| 2021-07-07 18:53:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-07-07 18:53:00 | (1)                                    |      |      | 751                                        |
| 2021-07-07 18:53:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-07 18:53:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-07 18:53:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-07 18:53:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-07 18:53:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-07 18:53:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-07 18:53:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-07 18:53:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-07 18:53:00 | Air Speed Indicated                    |      |      | 256.6                                      |
| 2021-07-07 18:53:00 | Aircraft Gross Weight                  |      |      | 62976                                      |
| 2021-07-07 18:53:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-07 18:53:00 | Altitude                               |      |      | 35102                                      |
| 2021-07-07 18:53:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-07 18:53:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-07 18:53:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-07 18:53:00 | Core Speed                             | 93.3 | 92.9 |                                            |
| 2021-07-07 18:53:00 | Date GE Received                       |      |      | 07/07/2021                                 |
| 2021-07-07 18:53:00 | Date of Report                         |      |      | 07/07/2021                                 |
| 2021-07-07 18:53:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-07 18:53:00 | Destination Station                    |      |      | ZBT                                        |
| 2021-07-07 18:53:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-07-07 18:53:00 | EGT Exhaust Gas Temperature            | 661  | 663  |                                            |
| 2021-07-07 18:53:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-07 18:53:00 | Flight Counter                         |      |      | 2257                                       |
| 2021-07-07 18:53:00 | Flight Number ACARS                    |      |      | 5751                                       |
| 2021-07-07 18:53:00 | Flight Number ACMS                     |      |      | 5751                                       |
| 2021-07-07 18:53:00 | Flight Phase ACMS                      |      |      | SCR2                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-07 18:53:00 | Fuel Flow                              | 1172 | 1156 |                                            |
| 2021-07-07 18:53:00 | Ground Speed                           |      |      | 451.3                                      |
| 2021-07-07 18:53:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-07 18:53:00 | Leg                                    |      |      | 1                                          |
| 2021-07-07 18:53:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-07-07 18:53:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-07 18:53:00 | N1 Indicated Fan Speed                 | 88   | 87.9 |                                            |
| 2021-07-07 18:53:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-07 18:53:00 | Oil Temperature                        | 106  | 106  |                                            |
| 2021-07-07 18:53:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-07 18:53:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-07 18:53:00 | Temperature Static Air                 |      |      | -40.5                                      |
| 2021-07-07 18:53:00 | Throttle Lever Angle                   | 61.9 | 61.9 |                                            |
| 2021-07-07 18:53:00 | Time GE Received                       |      |      | 20:05:42                                   |
| 2021-07-07 18:53:00 | Time Of Report                         |      |      | 18:53:00                                   |
| 2021-07-07 18:53:00 | Total Air Temperature Aircraft         |      |      | -13.5                                      |
| 2021-07-07 18:53:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-07 18:53:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-07 18:53:00 | Vibration N1 #1 Bearing                | 0.17 | 0.07 |                                            |
| 2021-07-07 18:53:00 | Vibration N1 Phase Angle #1 Bearing    | 102  | 56   |                                            |
| 2021-07-07 18:53:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 76   |                                            |
| 2021-07-07 18:53:00 | Vibration N1 Turbine Frame             | 0.31 | 0.25 |                                            |
| 2021-07-07 18:53:00 | Vibration N2 #1 Bearing                | 0.02 | 0.1  |                                            |
| 2021-07-07 18:53:00 | Vibration N2 Turbine Frame             | 0.05 | 0.12 |                                            |
| 2021-07-07 07:54:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-07-07 07:54:00 | (1)                                    |      |      | 804                                        |
| 2021-07-07 07:54:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-07 07:54:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-07 07:54:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-07 07:54:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-07 07:54:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-07 07:54:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-07 07:54:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-07 07:54:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-07 07:54:00 | Air Speed Indicated                    |      |      | 266.8                                      |
| 2021-07-07 07:54:00 | Aircraft Gross Weight                  |      |      | 63140                                      |
| 2021-07-07 07:54:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-07 07:54:00 | Altitude                               |      |      | 34102                                      |
| 2021-07-07 07:54:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-07 07:54:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-07 07:54:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-07 07:54:00 | Core Speed                             | 94.2 | 94   |                                            |
| 2021-07-07 07:54:00 | Date GE Received                       |      |      | 07/07/2021                                 |
| 2021-07-07 07:54:00 | Date of Report                         |      |      | 07/07/2021                                 |
| 2021-07-07 07:54:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-07 07:54:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-07 07:54:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-07 07:54:00 | EGT Exhaust Gas Temperature            | 666  | 674  |                                            |
| 2021-07-07 07:54:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-07 07:54:00 | Flight Counter                         |      |      | 3335                                       |
| 2021-07-07 07:54:00 | Flight Number ACARS                    |      |      | 5804                                       |
| 2021-07-07 07:54:00 | Flight Number ACMS                     |      |      | 5804                                       |
| 2021-07-07 07:54:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-07 07:54:00 | Fuel Flow                              | 1212 | 1208 |                                            |
| 2021-07-07 07:54:00 | Ground Speed                           |      |      | 453.6                                      |
| 2021-07-07 07:54:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-07 07:54:00 | Leg                                    |      |      | 1                                          |
| 2021-07-07 07:54:00 | Mach Number                            |      |      | 0.772                                      |
| 2021-07-07 07:54:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-07 07:54:00 | N1 Indicated Fan Speed                 | 88.3 | 88.4 |                                            |
| 2021-07-07 07:54:00 | Oil Pressure                           | 45   | 46   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-07 07:54:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-07 07:54:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-07 07:54:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-07 07:54:00 | Temperature Static Air                 |      |      | -35.8                                      |
| 2021-07-07 07:54:00 | Throttle Lever Angle                   | 62.4 | 62.5 |                                            |
| 2021-07-07 07:54:00 | Time GE Received                       |      |      | 09:46:55                                   |
| 2021-07-07 07:54:00 | Time Of Report                         |      |      | 07:54:00                                   |
| 2021-07-07 07:54:00 | Total Air Temperature Aircraft         |      |      | -7.3                                       |
| 2021-07-07 07:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-07 07:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-07 07:54:00 | Vibration N1 #1 Bearing                | 0.18 | 0.1  |                                            |
| 2021-07-07 07:54:00 | Vibration N1 Phase Angle #1 Bearing    | 97   | 89   |                                            |
| 2021-07-07 07:54:00 | Vibration N1 Phase Angle Turbine Frame | 132  | 91   |                                            |
| 2021-07-07 07:54:00 | Vibration N1 Turbine Frame             | 0.36 | 0.25 |                                            |
| 2021-07-07 07:54:00 | Vibration N2 #1 Bearing                | 0.01 | 0.19 |                                            |
| 2021-07-07 07:54:00 | Vibration N2 Turbine Frame             | 0.05 | 0.13 |                                            |
| 2021-07-07 02:18:00 | (1)                                    |      | 63   | 21                                         |
| 2021-07-07 02:18:00 | (1)                                    |      |      | 803                                        |
| 2021-07-07 02:18:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-07 02:18:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-07 02:18:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-07 02:18:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-07 02:18:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-07 02:18:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-07 02:18:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-07 02:18:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-07 02:18:00 | Air Speed Indicated                    |      |      | 259.6                                      |
| 2021-07-07 02:18:00 | Aircraft Gross Weight                  |      |      | 67929                                      |
| 2021-07-07 02:18:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-07 02:18:00 | Altitude                               |      |      | 35103                                      |
| 2021-07-07 02:18:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-07 02:18:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-07 02:18:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-07 02:18:00 | Core Speed                             | 94.3 | 93.8 |                                            |
| 2021-07-07 02:18:00 | Date GE Received                       |      |      | 07/07/2021                                 |
| 2021-07-07 02:18:00 | Date of Report                         |      |      | 07/07/2021                                 |
| 2021-07-07 02:18:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-07 02:18:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-07 02:18:00 | Downlink Ground Station                |      |      | HGH                                        |
| 2021-07-07 02:18:00 | EGT Exhaust Gas Temperature            | 675  | 681  |                                            |
| 2021-07-07 02:18:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-07 02:18:00 | Flight Counter                         |      |      | 2394                                       |
| 2021-07-07 02:18:00 | Flight Number ACARS                    |      |      | 5803                                       |
| 2021-07-07 02:18:00 | Flight Number ACMS                     |      |      | 5803                                       |
| 2021-07-07 02:18:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-07 02:18:00 | Fuel Flow                              | 1224 | 1205 |                                            |
| 2021-07-07 02:18:00 | Ground Speed                           |      |      | 441                                        |
| 2021-07-07 02:18:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-07 02:18:00 | Leg                                    |      |      | 1                                          |
| 2021-07-07 02:18:00 | Mach Number                            |      |      | 0.769                                      |
| 2021-07-07 02:18:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-07 02:18:00 | N1 Indicated Fan Speed                 | 89.4 | 89.3 |                                            |
| 2021-07-07 02:18:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-07 02:18:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-07-07 02:18:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-07 02:18:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-07 02:18:00 | Temperature Static Air                 |      |      | -38.3                                      |
| 2021-07-07 02:18:00 | Throttle Lever Angle                   | 63   | 63   |                                            |
| 2021-07-07 02:18:00 | Time GE Received                       |      |      | 04:19:39                                   |
| 2021-07-07 02:18:00 | Time Of Report                         |      |      | 02:18:00                                   |
| 2021-07-07 02:18:00 | Total Air Temperature Aircraft         |      |      | -10.5                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-07 02:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-07 02:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-07 02:18:00 | Vibration N1 #1 Bearing                | 0.23 | 0.12 |                                            |
| 2021-07-07 02:18:00 | Vibration N1 Phase Angle #1 Bearing    | 122  | 75   |                                            |
| 2021-07-07 02:18:00 | Vibration N1 Phase Angle Turbine Frame | 98   | 91   |                                            |
| 2021-07-07 02:18:00 | Vibration N1 Turbine Frame             | 0.44 | 0.27 |                                            |
| 2021-07-07 02:18:00 | Vibration N2 #1 Bearing                | 0.01 | 0.15 |                                            |
| 2021-07-07 02:18:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-07-06 13:30:00 | (1)                                    |      |      | 61.9                                       |
| 2021-07-06 13:30:00 | (1)                                    |      |      | 21                                         |
| 2021-07-06 13:30:00 | A/I Valve Position Nacelle             | 0    | 0    | 832                                        |
| 2021-07-06 13:30:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-06 13:30:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-06 13:30:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-06 13:30:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-06 13:30:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-06 13:30:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-06 13:30:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-06 13:30:00 | Air Speed Indicated                    |      |      | 261.2                                      |
| 2021-07-06 13:30:00 | Aircraft Gross Weight                  |      |      | 66151                                      |
| 2021-07-06 13:30:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-06 13:30:00 | Altitude                               |      |      | 34092                                      |
| 2021-07-06 13:30:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-06 13:30:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-06 13:30:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-06 13:30:00 | Core Speed                             | 93.8 | 93.6 |                                            |
| 2021-07-06 13:30:00 | Date GE Received                       |      |      | 07/06/2021                                 |
| 2021-07-06 13:30:00 | Date of Report                         |      |      | 07/06/2021                                 |
| 2021-07-06 13:30:00 | Departure Station                      |      |      | ZSQ                                        |
| 2021-07-06 13:30:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-06 13:30:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-06 13:30:00 | EGT Exhaust Gas Temperature            | 657  | 663  |                                            |
| 2021-07-06 13:30:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-06 13:30:00 | Flight Counter                         |      |      | 1614                                       |
| 2021-07-06 13:30:00 | Flight Number ACARS                    |      |      | 5832                                       |
| 2021-07-06 13:30:00 | Flight Number ACMS                     |      |      | 5832                                       |
| 2021-07-06 13:30:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-06 13:30:00 | Fuel Flow                              | 1179 | 1172 |                                            |
| 2021-07-06 13:30:00 | Ground Speed                           |      |      | 459.8                                      |
| 2021-07-06 13:30:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-06 13:30:00 | Leg                                    |      |      | 1                                          |
| 2021-07-06 13:30:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-07-06 13:30:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-06 13:30:00 | N1 Indicated Fan Speed                 | 87.6 | 87.7 |                                            |
| 2021-07-06 13:30:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-06 13:30:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-07-06 13:30:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-06 13:30:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-06 13:30:00 | Temperature Static Air                 |      |      | -36.7                                      |
| 2021-07-06 13:30:00 | Throttle Lever Angle                   | 61.9 | 61.9 |                                            |
| 2021-07-06 13:30:00 | Time GE Received                       |      |      | 15:01:12                                   |
| 2021-07-06 13:30:00 | Time Of Report                         |      |      | 13:30:00                                   |
| 2021-07-06 13:30:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-07-06 13:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 13:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 13:30:00 | Vibration N1 #1 Bearing                | 0.2  | 0.08 |                                            |
| 2021-07-06 13:30:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 76   |                                            |
| 2021-07-06 13:30:00 | Vibration N1 Phase Angle Turbine Frame | 132  | 88   |                                            |
| 2021-07-06 13:30:00 | Vibration N1 Turbine Frame             | 0.37 | 0.24 |                                            |
| 2021-07-06 13:30:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-07-06 13:30:00 | Vibration N2 Turbine Frame             | 0.09 | 0.1  |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-06 09:39:00 | (1)                                    |      | 63   | 21                                         |
| 2021-07-06 09:39:00 | (1)                                    |      |      | 831                                        |
| 2021-07-06 09:39:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-06 09:39:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-06 09:39:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-06 09:39:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-06 09:39:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-06 09:39:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-06 09:39:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-06 09:39:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-06 09:39:00 | Air Speed Indicated                    |      |      | 256.2                                      |
| 2021-07-06 09:39:00 | Aircraft Gross Weight                  |      |      | 63321                                      |
| 2021-07-06 09:39:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-06 09:39:00 | Altitude                               |      |      | 35103                                      |
| 2021-07-06 09:39:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-06 09:39:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-06 09:39:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-06 09:39:00 | Core Speed                             | 94.3 | 94   |                                            |
| 2021-07-06 09:39:00 | Date GE Received                       |      |      | 07/06/2021                                 |
| 2021-07-06 09:39:00 | Date of Report                         |      |      | 07/06/2021                                 |
| 2021-07-06 09:39:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-06 09:39:00 | Destination Station                    |      |      | ZSQ                                        |
| 2021-07-06 09:39:00 | Downlink Ground Station                |      |      | XMN                                        |
| 2021-07-06 09:39:00 | EGT Exhaust Gas Temperature            | 675  | 681  |                                            |
| 2021-07-06 09:39:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-06 09:39:00 | Flight Counter                         |      |      | 2250                                       |
| 2021-07-06 09:39:00 | Flight Number ACARS                    |      |      | 5831                                       |
| 2021-07-06 09:39:00 | Flight Number ACMS                     |      |      | 5831                                       |
| 2021-07-06 09:39:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-06 09:39:00 | Fuel Flow                              | 1201 | 1194 |                                            |
| 2021-07-06 09:39:00 | Ground Speed                           |      |      | 427.5                                      |
| 2021-07-06 09:39:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-06 09:39:00 | Leg                                    |      |      | 1                                          |
| 2021-07-06 09:39:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-07-06 09:39:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-06 09:39:00 | N1 Indicated Fan Speed                 | 89.1 | 89.2 |                                            |
| 2021-07-06 09:39:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-06 09:39:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-06 09:39:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-06 09:39:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-06 09:39:00 | Temperature Static Air                 |      |      | -37.7                                      |
| 2021-07-06 09:39:00 | Throttle Lever Angle                   | 63   | 63   |                                            |
| 2021-07-06 09:39:00 | Time GE Received                       |      |      | 11:25:32                                   |
| 2021-07-06 09:39:00 | Time Of Report                         |      |      | 09:39:00                                   |
| 2021-07-06 09:39:00 | Total Air Temperature Aircraft         |      |      | -10.5                                      |
| 2021-07-06 09:39:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 09:39:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 09:39:00 | Vibration N1 #1 Bearing                | 0.22 | 0.1  |                                            |
| 2021-07-06 09:39:00 | Vibration N1 Phase Angle #1 Bearing    | 133  | 69   |                                            |
| 2021-07-06 09:39:00 | Vibration N1 Phase Angle Turbine Frame | 108  | 88   |                                            |
| 2021-07-06 09:39:00 | Vibration N1 Turbine Frame             | 0.38 | 0.26 |                                            |
| 2021-07-06 09:39:00 | Vibration N2 #1 Bearing                | 0.02 | 0.14 |                                            |
| 2021-07-06 09:39:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-07-06 05:23:00 | (1)                                    |      | 63.3 | 21                                         |
| 2021-07-06 05:23:00 | (1)                                    |      |      | 785                                        |
| 2021-07-06 05:23:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-06 05:23:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-06 05:23:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-06 05:23:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-06 05:23:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-06 05:23:00 | Air Conditioning Pack 2                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-06 05:23:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-06 05:23:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-06 05:23:00 | Air Speed Indicated                    |      |      | 287.1                                      |
| 2021-07-06 05:23:00 | Aircraft Gross Weight                  |      |      | 68202                                      |
| 2021-07-06 05:23:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-06 05:23:00 | Altitude                               |      |      | 30098                                      |
| 2021-07-06 05:23:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-06 05:23:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-06 05:23:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-06 05:23:00 | Core Speed                             | 95.3 | 95.3 |                                            |
| 2021-07-06 05:23:00 | Date GE Received                       |      |      | 07/06/2021                                 |
| 2021-07-06 05:23:00 | Date of Report                         |      |      | 07/06/2021                                 |
| 2021-07-06 05:23:00 | Departure Station                      |      |      | ZSW                                        |
| 2021-07-06 05:23:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-06 05:23:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-06 05:23:00 | EGT Exhaust Gas Temperature            | 676  | 674  |                                            |
| 2021-07-06 05:23:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-06 05:23:00 | Flight Counter                         |      |      | 2507                                       |
| 2021-07-06 05:23:00 | Flight Number ACARS                    |      |      | 785                                        |
| 2021-07-06 05:23:00 | Flight Number ACMS                     |      |      | 785                                        |
| 2021-07-06 05:23:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-06 05:23:00 | Fuel Flow                              | 1386 | 1359 |                                            |
| 2021-07-06 05:23:00 | Ground Speed                           |      |      | 459.5                                      |
| 2021-07-06 05:23:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-06 05:23:00 | Leg                                    |      |      | 1                                          |
| 2021-07-06 05:23:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-07-06 05:23:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-06 05:23:00 | N1 Indicated Fan Speed                 | 88.4 | 88.4 |                                            |
| 2021-07-06 05:23:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-07-06 05:23:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-07-06 05:23:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-06 05:23:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-06 05:23:00 | Temperature Static Air                 |      |      | -25.8                                      |
| 2021-07-06 05:23:00 | Throttle Lever Angle                   | 63.3 | 63.3 |                                            |
| 2021-07-06 05:23:00 | Time GE Received                       |      |      | 07:02:17                                   |
| 2021-07-06 05:23:00 | Time Of Report                         |      |      | 05:23:00                                   |
| 2021-07-06 05:23:00 | Total Air Temperature Aircraft         |      |      | 2.8                                        |
| 2021-07-06 05:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 05:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 05:23:00 | Vibration N1 #1 Bearing                | 0.27 | 0.22 |                                            |
| 2021-07-06 05:23:00 | Vibration N1 Phase Angle #1 Bearing    | 96   | 80   |                                            |
| 2021-07-06 05:23:00 | Vibration N1 Phase Angle Turbine Frame | 125  | 102  |                                            |
| 2021-07-06 05:23:00 | Vibration N1 Turbine Frame             | 0.41 | 0.42 |                                            |
| 2021-07-06 05:23:00 | Vibration N2 #1 Bearing                | 0.06 | 0.3  |                                            |
| 2021-07-06 05:23:00 | Vibration N2 Turbine Frame             | 0.08 | 0.03 |                                            |
| 2021-07-06 00:23:00 | (1)                                    |      | 63   | 21                                         |
| 2021-07-06 00:23:00 | (1)                                    |      |      | 879                                        |
| 2021-07-06 00:23:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-06 00:23:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-06 00:23:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-06 00:23:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-06 00:23:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-06 00:23:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-06 00:23:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-06 00:23:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-06 00:23:00 | Air Speed Indicated                    |      |      | 281.6                                      |
| 2021-07-06 00:23:00 | Aircraft Gross Weight                  |      |      | 68837                                      |
| 2021-07-06 00:23:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-06 00:23:00 | Altitude                               |      |      | 31103                                      |
| 2021-07-06 00:23:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-06 00:23:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-06 00:23:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-06 00:23:00 | Core Speed                             | 95.1 | 95   |                                            |
| 2021-07-06 00:23:00 | Date GE Received                       |      |      | 07/06/2021                                 |
| 2021-07-06 00:23:00 | Date of Report                         |      |      | 07/06/2021                                 |
| 2021-07-06 00:23:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-06 00:23:00 | Destination Station                    |      |      | ZSW                                        |
| 2021-07-06 00:23:00 | Downlink Ground Station                |      |      | WNZ                                        |
| 2021-07-06 00:23:00 | EGT Exhaust Gas Temperature            | 672  | 673  |                                            |
| 2021-07-06 00:23:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-06 00:23:00 | Flight Counter                         |      |      | 2093                                       |
| 2021-07-06 00:23:00 | Flight Number ACARS                    |      |      | 5879                                       |
| 2021-07-06 00:23:00 | Flight Number ACMS                     |      |      | 5879                                       |
| 2021-07-06 00:23:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-06 00:23:00 | Fuel Flow                              | 1330 | 1307 |                                            |
| 2021-07-06 00:23:00 | Ground Speed                           |      |      | 453.4                                      |
| 2021-07-06 00:23:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-06 00:23:00 | Leg                                    |      |      | 1                                          |
| 2021-07-06 00:23:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-07-06 00:23:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-06 00:23:00 | N1 Indicated Fan Speed                 | 88.4 | 88.4 |                                            |
| 2021-07-06 00:23:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-07-06 00:23:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-07-06 00:23:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-06 00:23:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-06 00:23:00 | Temperature Static Air                 |      |      | -27.7                                      |
| 2021-07-06 00:23:00 | Throttle Lever Angle                   | 63.1 | 63   |                                            |
| 2021-07-06 00:23:00 | Time GE Received                       |      |      | 02:29:40                                   |
| 2021-07-06 00:23:00 | Time Of Report                         |      |      | 00:23:00                                   |
| 2021-07-06 00:23:00 | Total Air Temperature Aircraft         |      |      | 1                                          |
| 2021-07-06 00:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 00:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-06 00:23:00 | Vibration N1 #1 Bearing                | 0.17 | 0.19 |                                            |
| 2021-07-06 00:23:00 | Vibration N1 Phase Angle #1 Bearing    | 152  | 52   |                                            |
| 2021-07-06 00:23:00 | Vibration N1 Phase Angle Turbine Frame | 116  | 90   |                                            |
| 2021-07-06 00:23:00 | Vibration N1 Turbine Frame             | 0.41 | 0.33 |                                            |
| 2021-07-06 00:23:00 | Vibration N2 #1 Bearing                | 0.06 | 0.16 |                                            |
| 2021-07-06 00:23:00 | Vibration N2 Turbine Frame             | 0.11 | 0.06 |                                            |
| 2021-07-04 10:39:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-07-04 10:39:00 | (1)                                    |      |      | 810                                        |
| 2021-07-04 10:39:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-04 10:39:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-04 10:39:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-04 10:39:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-04 10:39:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-04 10:39:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-04 10:39:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-04 10:39:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-04 10:39:00 | Air Speed Indicated                    |      |      | 260.1                                      |
| 2021-07-04 10:39:00 | Aircraft Gross Weight                  |      |      | 64682                                      |
| 2021-07-04 10:39:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-04 10:39:00 | Altitude                               |      |      | 34097                                      |
| 2021-07-04 10:39:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-04 10:39:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-04 10:39:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-04 10:39:00 | Core Speed                             | 94.5 | 94.2 |                                            |
| 2021-07-04 10:39:00 | Date GE Received                       |      |      | 07/04/2021                                 |
| 2021-07-04 10:39:00 | Date of Report                         |      |      | 07/04/2021                                 |
| 2021-07-04 10:39:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-04 10:39:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-04 10:39:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-04 10:39:00 | EGT Exhaust Gas Temperature            | 675  | 682  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-04 10:39:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-04 10:39:00 | Flight Counter                         |      |      | 1977                                       |
| 2021-07-04 10:39:00 | Flight Number ACARS                    |      |      | 5810                                       |
| 2021-07-04 10:39:00 | Flight Number ACMS                     |      |      | 5810                                       |
| 2021-07-04 10:39:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-04 10:39:00 | Fuel Flow                              | 1226 | 1212 |                                            |
| 2021-07-04 10:39:00 | Ground Speed                           |      |      | 445.1                                      |
| 2021-07-04 10:39:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-04 10:39:00 | Leg                                    |      |      | 1                                          |
| 2021-07-04 10:39:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-07-04 10:39:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-04 10:39:00 | N1 Indicated Fan Speed                 | 88.8 | 88.8 |                                            |
| 2021-07-04 10:39:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-07-04 10:39:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-04 10:39:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-04 10:39:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-04 10:39:00 | Temperature Static Air                 |      |      | -35                                        |
| 2021-07-04 10:39:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-07-04 10:39:00 | Time GE Received                       |      |      | 12:37:22                                   |
| 2021-07-04 10:39:00 | Time Of Report                         |      |      | 10:39:00                                   |
| 2021-07-04 10:39:00 | Total Air Temperature Aircraft         |      |      | -7.8                                       |
| 2021-07-04 10:39:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-04 10:39:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-04 10:39:00 | Vibration N1 #1 Bearing                | 0.33 | 0.12 |                                            |
| 2021-07-04 10:39:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 70   |                                            |
| 2021-07-04 10:39:00 | Vibration N1 Phase Angle Turbine Frame | 126  | 90   |                                            |
| 2021-07-04 10:39:00 | Vibration N1 Turbine Frame             | 0.43 | 0.29 |                                            |
| 2021-07-04 10:39:00 | Vibration N2 #1 Bearing                | 0.03 | 0.16 |                                            |
| 2021-07-04 10:39:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-07-04 06:48:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-07-04 06:48:00 | (1)                                    |      |      | 605                                        |
| 2021-07-04 06:48:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-04 06:48:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-04 06:48:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-04 06:48:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-04 06:48:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-04 06:48:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-04 06:48:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-04 06:48:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-04 06:48:00 | Air Speed Indicated                    |      |      | 260.7                                      |
| 2021-07-04 06:48:00 | Aircraft Gross Weight                  |      |      | 63648                                      |
| 2021-07-04 06:48:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-04 06:48:00 | Altitude                               |      |      | 35102                                      |
| 2021-07-04 06:48:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-04 06:48:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-04 06:48:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-04 06:48:00 | Core Speed                             | 94.3 | 94.1 |                                            |
| 2021-07-04 06:48:00 | Date GE Received                       |      |      | 07/04/2021                                 |
| 2021-07-04 06:48:00 | Date of Report                         |      |      | 07/04/2021                                 |
| 2021-07-04 06:48:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-04 06:48:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-04 06:48:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-07-04 06:48:00 | EGT Exhaust Gas Temperature            | 677  | 682  |                                            |
| 2021-07-04 06:48:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-04 06:48:00 | Flight Counter                         |      |      | 2605                                       |
| 2021-07-04 06:48:00 | Flight Number ACARS                    |      |      | 7605                                       |
| 2021-07-04 06:48:00 | Flight Number ACMS                     |      |      | 7605                                       |
| 2021-07-04 06:48:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-04 06:48:00 | Fuel Flow                              | 1218 | 1204 |                                            |
| 2021-07-04 06:48:00 | Ground Speed                           |      |      | 456                                        |
| 2021-07-04 06:48:00 | Isolation valve left                   |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-04 06:48:00 | Leg                                    |      |      | 1                                          |
| 2021-07-04 06:48:00 | Mach Number                            |      |      | 0.772                                      |
| 2021-07-04 06:48:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-04 06:48:00 | N1 Indicated Fan Speed                 | 89.1 | 89.1 |                                            |
| 2021-07-04 06:48:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-04 06:48:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-07-04 06:48:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-04 06:48:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-04 06:48:00 | Temperature Static Air                 |      |      | -37.7                                      |
| 2021-07-04 06:48:00 | Throttle Lever Angle                   | 62.9 | 62.9 |                                            |
| 2021-07-04 06:48:00 | Time GE Received                       |      |      | 08:44:35                                   |
| 2021-07-04 06:48:00 | Time Of Report                         |      |      | 06:48:00                                   |
| 2021-07-04 06:48:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-07-04 06:48:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-04 06:48:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-04 06:48:00 | Vibration N1 #1 Bearing                | 0.21 | 0.09 |                                            |
| 2021-07-04 06:48:00 | Vibration N1 Phase Angle #1 Bearing    | 114  | 69   |                                            |
| 2021-07-04 06:48:00 | Vibration N1 Phase Angle Turbine Frame | 106  | 70   |                                            |
| 2021-07-04 06:48:00 | Vibration N1 Turbine Frame             | 0.33 | 0.29 |                                            |
| 2021-07-04 06:48:00 | Vibration N2 #1 Bearing                | 0.03 | 0.16 |                                            |
| 2021-07-04 06:48:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-07-04 02:05:00 | (1)                                    |      | 61.1 | 21                                         |
| 2021-07-04 02:05:00 | (1)                                    |      |      | 827                                        |
| 2021-07-04 02:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-04 02:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-04 02:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-04 02:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-04 02:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-04 02:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-04 02:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-04 02:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-04 02:05:00 | Air Speed Indicated                    |      |      | 291.9                                      |
| 2021-07-04 02:05:00 | Aircraft Gross Weight                  |      |      | 63049                                      |
| 2021-07-04 02:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-04 02:05:00 | Altitude                               |      |      | 25600                                      |
| 2021-07-04 02:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-04 02:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-04 02:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-04 02:05:00 | Core Speed                             | 94.5 | 94.5 |                                            |
| 2021-07-04 02:05:00 | Date GE Received                       |      |      | 07/04/2021                                 |
| 2021-07-04 02:05:00 | Date of Report                         |      |      | 07/04/2021                                 |
| 2021-07-04 02:05:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-07-04 02:05:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-04 02:05:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-04 02:05:00 | EGT Exhaust Gas Temperature            | 649  | 647  |                                            |
| 2021-07-04 02:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-04 02:05:00 | Flight Counter                         |      |      | 2466                                       |
| 2021-07-04 02:05:00 | Flight Number ACARS                    |      |      | 5827                                       |
| 2021-07-04 02:05:00 | Flight Number ACMS                     |      |      | 5827                                       |
| 2021-07-04 02:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-04 02:05:00 | Fuel Flow                              | 1351 | 1334 |                                            |
| 2021-07-04 02:05:00 | Ground Speed                           |      |      | 446.3                                      |
| 2021-07-04 02:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-04 02:05:00 | Leg                                    |      |      | 1                                          |
| 2021-07-04 02:05:00 | Mach Number                            |      |      | 0.707                                      |
| 2021-07-04 02:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-04 02:05:00 | N1 Indicated Fan Speed                 | 84.5 | 84.5 |                                            |
| 2021-07-04 02:05:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-07-04 02:05:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-07-04 02:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-04 02:05:00 | Software ID ACMS                       |      |      | A85 28                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-04 02:05:00 | Temperature Static Air                 |      |      | -14.8                                      |
| 2021-07-04 02:05:00 | Throttle Lever Angle                   | 61.1 | 61.1 |                                            |
| 2021-07-04 02:05:00 | Time GE Received                       |      |      | 03:04:34                                   |
| 2021-07-04 02:05:00 | Time Of Report                         |      |      | 02:05:00                                   |
| 2021-07-04 02:05:00 | Total Air Temperature Aircraft         |      |      | 11                                         |
| 2021-07-04 02:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-04 02:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-04 02:05:00 | Vibration N1 #1 Bearing                | 0.13 | 0.12 |                                            |
| 2021-07-04 02:05:00 | Vibration N1 Phase Angle #1 Bearing    | 112  | 64   |                                            |
| 2021-07-04 02:05:00 | Vibration N1 Phase Angle Turbine Frame | 120  | 75   |                                            |
| 2021-07-04 02:05:00 | Vibration N1 Turbine Frame             | 0.32 | 0.25 |                                            |
| 2021-07-04 02:05:00 | Vibration N2 #1 Bearing                | 0.02 | 0.25 |                                            |
| 2021-07-04 02:05:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-07-03 14:04:00 | (1)                                    |      | 57.7 | 21                                         |
| 2021-07-03 14:04:00 | (1)                                    |      |      | 828                                        |
| 2021-07-03 14:04:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-03 14:04:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-03 14:04:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-03 14:04:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-03 14:04:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-03 14:04:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-03 14:04:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-03 14:04:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-03 14:04:00 | Air Speed Indicated                    |      |      | 259.9                                      |
| 2021-07-03 14:04:00 | Aircraft Gross Weight                  |      |      | 60182                                      |
| 2021-07-03 14:04:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-03 14:04:00 | Altitude                               |      |      | 24603                                      |
| 2021-07-03 14:04:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-03 14:04:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-03 14:04:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-03 14:04:00 | Core Speed                             | 92.2 | 92.2 |                                            |
| 2021-07-03 14:04:00 | Date GE Received                       |      |      | 07/03/2021                                 |
| 2021-07-03 14:04:00 | Date of Report                         |      |      | 07/03/2021                                 |
| 2021-07-03 14:04:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-03 14:04:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-07-03 14:04:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-07-03 14:04:00 | EGT Exhaust Gas Temperature            | 608  | 605  |                                            |
| 2021-07-03 14:04:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-03 14:04:00 | Flight Counter                         |      |      | 2872                                       |
| 2021-07-03 14:04:00 | Flight Number ACARS                    |      |      | 5828                                       |
| 2021-07-03 14:04:00 | Flight Number ACMS                     |      |      | 5828                                       |
| 2021-07-03 14:04:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-03 14:04:00 | Fuel Flow                              | 1146 | 1132 |                                            |
| 2021-07-03 14:04:00 | Ground Speed                           |      |      | 381.5                                      |
| 2021-07-03 14:04:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-03 14:04:00 | Leg                                    |      |      | 1                                          |
| 2021-07-03 14:04:00 | Mach Number                            |      |      | 0.622                                      |
| 2021-07-03 14:04:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-03 14:04:00 | N1 Indicated Fan Speed                 | 79.7 | 79.7 |                                            |
| 2021-07-03 14:04:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-03 14:04:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-07-03 14:04:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-03 14:04:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-03 14:04:00 | Temperature Static Air                 |      |      | -13.8                                      |
| 2021-07-03 14:04:00 | Throttle Lever Angle                   | 57.7 | 57.7 |                                            |
| 2021-07-03 14:04:00 | Time GE Received                       |      |      | 15:09:37                                   |
| 2021-07-03 14:04:00 | Time Of Report                         |      |      | 14:04:00                                   |
| 2021-07-03 14:04:00 | Total Air Temperature Aircraft         |      |      | 6.3                                        |
| 2021-07-03 14:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-03 14:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-03 14:04:00 | Vibration N1 #1 Bearing                | 0.09 | 0.05 |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-03 14:04:00 | Vibration N1 Phase Angle #1 Bearing    | 176  | 22   |                                            |
| 2021-07-03 14:04:00 | Vibration N1 Phase Angle Turbine Frame | 106  | 27   |                                            |
| 2021-07-03 14:04:00 | Vibration N1 Turbine Frame             | 0.15 | 0.18 |                                            |
| 2021-07-03 14:04:00 | Vibration N2 #1 Bearing                | 0.04 | 0.06 |                                            |
| 2021-07-03 14:04:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-07-03 11:05:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-03 11:05:00 | (1)                                    |      |      | 810                                        |
| 2021-07-03 11:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-03 11:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-03 11:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-03 11:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-03 11:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-03 11:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-03 11:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-03 11:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-03 11:05:00 | Air Speed Indicated                    |      |      | 258.3                                      |
| 2021-07-03 11:05:00 | Aircraft Gross Weight                  |      |      | 63684                                      |
| 2021-07-03 11:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-03 11:05:00 | Altitude                               |      |      | 34098                                      |
| 2021-07-03 11:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-03 11:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-03 11:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-03 11:05:00 | Core Speed                             | 93.9 | 93.5 |                                            |
| 2021-07-03 11:05:00 | Date GE Received                       |      |      | 07/03/2021                                 |
| 2021-07-03 11:05:00 | Date of Report                         |      |      | 07/03/2021                                 |
| 2021-07-03 11:05:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-03 11:05:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-03 11:05:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-03 11:05:00 | EGT Exhaust Gas Temperature            | 665  | 671  |                                            |
| 2021-07-03 11:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-03 11:05:00 | Flight Counter                         |      |      | 179                                        |
| 2021-07-03 11:05:00 | Flight Number ACARS                    |      |      | 5810                                       |
| 2021-07-03 11:05:00 | Flight Number ACMS                     |      |      | 5810                                       |
| 2021-07-03 11:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-03 11:05:00 | Fuel Flow                              | 1178 | 1169 |                                            |
| 2021-07-03 11:05:00 | Ground Speed                           |      |      | 450                                        |
| 2021-07-03 11:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-03 11:05:00 | Leg                                    |      |      | 1                                          |
| 2021-07-03 11:05:00 | Mach Number                            |      |      | 0.75                                       |
| 2021-07-03 11:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-03 11:05:00 | N1 Indicated Fan Speed                 | 87.8 | 87.8 |                                            |
| 2021-07-03 11:05:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-03 11:05:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-03 11:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-03 11:05:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-03 11:05:00 | Temperature Static Air                 |      |      | -34.8                                      |
| 2021-07-03 11:05:00 | Throttle Lever Angle                   | 62.2 | 62.1 |                                            |
| 2021-07-03 11:05:00 | Time GE Received                       |      |      | 12:17:51                                   |
| 2021-07-03 11:05:00 | Time Of Report                         |      |      | 11:05:00                                   |
| 2021-07-03 11:05:00 | Total Air Temperature Aircraft         |      |      | -8                                         |
| 2021-07-03 11:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-03 11:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-03 11:05:00 | Vibration N1 #1 Bearing                | 0.15 | 0.08 |                                            |
| 2021-07-03 11:05:00 | Vibration N1 Phase Angle #1 Bearing    | 120  | 50   |                                            |
| 2021-07-03 11:05:00 | Vibration N1 Phase Angle Turbine Frame | 141  | 65   |                                            |
| 2021-07-03 11:05:00 | Vibration N1 Turbine Frame             | 0.36 | 0.2  |                                            |
| 2021-07-03 11:05:00 | Vibration N2 #1 Bearing                | 0.05 | 0.08 |                                            |
| 2021-07-03 11:05:00 | Vibration N2 Turbine Frame             | 0.07 | 0.07 |                                            |
| 2021-07-03 03:44:00 | (1)                                    |      | 63.5 | 21                                         |
| 2021-07-03 03:44:00 | (1)                                    |      |      | 805                                        |
| 2021-07-03 03:44:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-03 03:44:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-03 03:44:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-03 03:44:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-03 03:44:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-03 03:44:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-03 03:44:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-03 03:44:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-03 03:44:00 | Air Speed Indicated                    |      |      | 260.6                                      |
| 2021-07-03 03:44:00 | Aircraft Gross Weight                  |      |      | 67059                                      |
| 2021-07-03 03:44:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-03 03:44:00 | Altitude                               |      |      | 35100                                      |
| 2021-07-03 03:44:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-03 03:44:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-03 03:44:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-03 03:44:00 | Core Speed                             | 94.5 | 94.2 |                                            |
| 2021-07-03 03:44:00 | Date GE Received                       |      |      | 07/03/2021                                 |
| 2021-07-03 03:44:00 | Date of Report                         |      |      | 07/03/2021                                 |
| 2021-07-03 03:44:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-03 03:44:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-03 03:44:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-07-03 03:44:00 | EGT Exhaust Gas Temperature            | 684  | 690  |                                            |
| 2021-07-03 03:44:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-03 03:44:00 | Flight Counter                         |      |      | 1765                                       |
| 2021-07-03 03:44:00 | Flight Number ACARS                    |      |      | 5805                                       |
| 2021-07-03 03:44:00 | Flight Number ACMS                     |      |      | 5805                                       |
| 2021-07-03 03:44:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-03 03:44:00 | Fuel Flow                              | 1245 | 1237 |                                            |
| 2021-07-03 03:44:00 | Ground Speed                           |      |      | 465.7                                      |
| 2021-07-03 03:44:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-03 03:44:00 | Leg                                    |      |      | 1                                          |
| 2021-07-03 03:44:00 | Mach Number                            |      |      | 0.771                                      |
| 2021-07-03 03:44:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-03 03:44:00 | N1 Indicated Fan Speed                 | 89.8 | 89.9 |                                            |
| 2021-07-03 03:44:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-03 03:44:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-07-03 03:44:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-03 03:44:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-03 03:44:00 | Temperature Static Air                 |      |      | -37.5                                      |
| 2021-07-03 03:44:00 | Throttle Lever Angle                   | 63.5 | 63.5 |                                            |
| 2021-07-03 03:44:00 | Time GE Received                       |      |      | 05:29:34                                   |
| 2021-07-03 03:44:00 | Time Of Report                         |      |      | 03:44:00                                   |
| 2021-07-03 03:44:00 | Total Air Temperature Aircraft         |      |      | -9.5                                       |
| 2021-07-03 03:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-03 03:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-03 03:44:00 | Vibration N1 #1 Bearing                | 0.26 | 0.1  |                                            |
| 2021-07-03 03:44:00 | Vibration N1 Phase Angle #1 Bearing    | 128  | 124  |                                            |
| 2021-07-03 03:44:00 | Vibration N1 Phase Angle Turbine Frame | 100  | 79   |                                            |
| 2021-07-03 03:44:00 | Vibration N1 Turbine Frame             | 0.6  | 0.43 |                                            |
| 2021-07-03 03:44:00 | Vibration N2 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-07-03 03:44:00 | Vibration N2 Turbine Frame             | 0.07 | 0.07 |                                            |
| 2021-07-02 12:47:00 | (1)                                    |      | 63.5 | 21                                         |
| 2021-07-02 12:47:00 | (1)                                    |      |      | 832                                        |
| 2021-07-02 12:47:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-02 12:47:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-02 12:47:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-02 12:47:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-02 12:47:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-02 12:47:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-02 12:47:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-02 12:47:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-02 12:47:00 | Air Speed Indicated                    |      |      | 265.6                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-02 12:47:00 | Aircraft Gross Weight                  |      |      | 65589                                      |
| 2021-07-02 12:47:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-02 12:47:00 | Altitude                               |      |      | 34100                                      |
| 2021-07-02 12:47:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-02 12:47:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-02 12:47:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-02 12:47:00 | Core Speed                             | 94.6 | 94.2 |                                            |
| 2021-07-02 12:47:00 | Date GE Received                       |      |      | 07/02/2021                                 |
| 2021-07-02 12:47:00 | Date of Report                         |      |      | 07/02/2021                                 |
| 2021-07-02 12:47:00 | Departure Station                      |      |      | ZSQ                                        |
| 2021-07-02 12:47:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-02 12:47:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-02 12:47:00 | EGT Exhaust Gas Temperature            | 684  | 697  |                                            |
| 2021-07-02 12:47:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-02 12:47:00 | Flight Counter                         |      |      | 3972                                       |
| 2021-07-02 12:47:00 | Flight Number ACARS                    |      |      | 5832                                       |
| 2021-07-02 12:47:00 | Flight Number ACMS                     |      |      | 5832                                       |
| 2021-07-02 12:47:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-02 12:47:00 | Fuel Flow                              | 1263 | 1272 |                                            |
| 2021-07-02 12:47:00 | Ground Speed                           |      |      | 469.5                                      |
| 2021-07-02 12:47:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-02 12:47:00 | Leg                                    |      |      | 1                                          |
| 2021-07-02 12:47:00 | Mach Number                            |      |      | 0.769                                      |
| 2021-07-02 12:47:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-02 12:47:00 | N1 Indicated Fan Speed                 | 89   | 89.1 |                                            |
| 2021-07-02 12:47:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-02 12:47:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-07-02 12:47:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-02 12:47:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-02 12:47:00 | Temperature Static Air                 |      |      | -36                                        |
| 2021-07-02 12:47:00 | Throttle Lever Angle                   | 63.4 | 63.5 |                                            |
| 2021-07-02 12:47:00 | Time GE Received                       |      |      | 14:12:51                                   |
| 2021-07-02 12:47:00 | Time Of Report                         |      |      | 12:47:00                                   |
| 2021-07-02 12:47:00 | Total Air Temperature Aircraft         |      |      | -8                                         |
| 2021-07-02 12:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-02 12:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-02 12:47:00 | Vibration N1 #1 Bearing                | 0.3  | 0.1  |                                            |
| 2021-07-02 12:47:00 | Vibration N1 Phase Angle #1 Bearing    | 101  | 65   |                                            |
| 2021-07-02 12:47:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 67   |                                            |
| 2021-07-02 12:47:00 | Vibration N1 Turbine Frame             | 0.42 | 0.25 |                                            |
| 2021-07-02 12:47:00 | Vibration N2 #1 Bearing                | 0.05 | 0.16 |                                            |
| 2021-07-02 12:47:00 | Vibration N2 Turbine Frame             | 0.07 | 0.08 |                                            |
| 2021-07-02 09:10:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-07-02 09:10:00 | (1)                                    |      |      | 831                                        |
| 2021-07-02 09:10:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-02 09:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-02 09:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-02 09:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-02 09:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-02 09:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-02 09:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-02 09:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-02 09:10:00 | Air Speed Indicated                    |      |      | 261.1                                      |
| 2021-07-02 09:10:00 | Aircraft Gross Weight                  |      |      | 61053                                      |
| 2021-07-02 09:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-02 09:10:00 | Altitude                               |      |      | 35101                                      |
| 2021-07-02 09:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-02 09:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-02 09:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-02 09:10:00 | Core Speed                             | 93.9 | 93.6 |                                            |
| 2021-07-02 09:10:00 | Date GE Received                       |      |      | 07/02/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-02 09:10:00 | Date of Report                         |      |      | 07/02/2021                                 |
| 2021-07-02 09:10:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-02 09:10:00 | Destination Station                    |      |      | ZSQ                                        |
| 2021-07-02 09:10:00 | Downlink Ground Station                |      |      | XMN                                        |
| 2021-07-02 09:10:00 | EGT Exhaust Gas Temperature            | 662  | 670  |                                            |
| 2021-07-02 09:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-02 09:10:00 | Flight Counter                         |      |      | 720                                        |
| 2021-07-02 09:10:00 | Flight Number ACARS                    |      |      | 5831                                       |
| 2021-07-02 09:10:00 | Flight Number ACMS                     |      |      | 5831                                       |
| 2021-07-02 09:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-02 09:10:00 | Fuel Flow                              | 1147 | 1138 |                                            |
| 2021-07-02 09:10:00 | Ground Speed                           |      |      | 456.5                                      |
| 2021-07-02 09:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-02 09:10:00 | Leg                                    |      |      | 1                                          |
| 2021-07-02 09:10:00 | Mach Number                            |      |      | 0.774                                      |
| 2021-07-02 09:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-02 09:10:00 | N1 Indicated Fan Speed                 | 87.8 | 87.8 |                                            |
| 2021-07-02 09:10:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-02 09:10:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-07-02 09:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-02 09:10:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-02 09:10:00 | Temperature Static Air                 |      |      | -37                                        |
| 2021-07-02 09:10:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-07-02 09:10:00 | Time GE Received                       |      |      | 10:55:36                                   |
| 2021-07-02 09:10:00 | Time Of Report                         |      |      | 09:10:00                                   |
| 2021-07-02 09:10:00 | Total Air Temperature Aircraft         |      |      | -8.8                                       |
| 2021-07-02 09:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-02 09:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-02 09:10:00 | Vibration N1 #1 Bearing                | 0.18 | 0.08 |                                            |
| 2021-07-02 09:10:00 | Vibration N1 Phase Angle #1 Bearing    | 107  | 62   |                                            |
| 2021-07-02 09:10:00 | Vibration N1 Phase Angle Turbine Frame | 136  | 73   |                                            |
| 2021-07-02 09:10:00 | Vibration N1 Turbine Frame             | 0.4  | 0.29 |                                            |
| 2021-07-02 09:10:00 | Vibration N2 #1 Bearing                | 0.03 | 0.16 |                                            |
| 2021-07-02 09:10:00 | Vibration N2 Turbine Frame             | 0.09 | 0.11 |                                            |
| 2021-07-02 04:52:00 | (1)                                    |      | 60.3 | 21                                         |
| 2021-07-02 04:52:00 | (1)                                    |      |      | 754                                        |
| 2021-07-02 04:52:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-02 04:52:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-02 04:52:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-02 04:52:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-02 04:52:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-02 04:52:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-02 04:52:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-02 04:52:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-02 04:52:00 | Air Speed Indicated                    |      |      | 299.7                                      |
| 2021-07-02 04:52:00 | Aircraft Gross Weight                  |      |      | 64065                                      |
| 2021-07-02 04:52:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-02 04:52:00 | Altitude                               |      |      | 23597                                      |
| 2021-07-02 04:52:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-02 04:52:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-02 04:52:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-02 04:52:00 | Core Speed                             | 93.2 | 93.1 |                                            |
| 2021-07-02 04:52:00 | Date GE Received                       |      |      | 07/02/2021                                 |
| 2021-07-02 04:52:00 | Date of Report                         |      |      | 07/02/2021                                 |
| 2021-07-02 04:52:00 | Departure Station                      |      |      | ZBH                                        |
| 2021-07-02 04:52:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-02 04:52:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-02 04:52:00 | EGT Exhaust Gas Temperature            | 630  | 631  |                                            |
| 2021-07-02 04:52:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-02 04:52:00 | Flight Counter                         |      |      | 956                                        |
| 2021-07-02 04:52:00 | Flight Number ACARS                    |      |      | 5754                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-02 04:52:00 | Flight Number ACMS                     |      |      | 5754                                       |
| 2021-07-02 04:52:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-02 04:52:00 | Fuel Flow                              | 1428 | 1415 |                                            |
| 2021-07-02 04:52:00 | Ground Speed                           |      |      | 422.9                                      |
| 2021-07-02 04:52:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-02 04:52:00 | Leg                                    |      |      | 1                                          |
| 2021-07-02 04:52:00 | Mach Number                            |      |      | 0.697                                      |
| 2021-07-02 04:52:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-02 04:52:00 | N1 Indicated Fan Speed                 | 83   | 83.1 |                                            |
| 2021-07-02 04:52:00 | Oil Pressure                           | 49   | 50   |                                            |
| 2021-07-02 04:52:00 | Oil Temperature                        | 105  | 105  |                                            |
| 2021-07-02 04:52:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-02 04:52:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-02 04:52:00 | Temperature Static Air                 |      |      | -20.2                                      |
| 2021-07-02 04:52:00 | Throttle Lever Angle                   | 60.2 | 60.3 |                                            |
| 2021-07-02 04:52:00 | Time GE Received                       |      |      | 06:54:59                                   |
| 2021-07-02 04:52:00 | Time Of Report                         |      |      | 04:52:00                                   |
| 2021-07-02 04:52:00 | Total Air Temperature Aircraft         |      |      | 4.3                                        |
| 2021-07-02 04:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-02 04:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-02 04:52:00 | Vibration N1 #1 Bearing                | 0.12 | 0.13 |                                            |
| 2021-07-02 04:52:00 | Vibration N1 Phase Angle #1 Bearing    | 143  | 64   |                                            |
| 2021-07-02 04:52:00 | Vibration N1 Phase Angle Turbine Frame | 130  | 67   |                                            |
| 2021-07-02 04:52:00 | Vibration N1 Turbine Frame             | 0.24 | 0.23 |                                            |
| 2021-07-02 04:52:00 | Vibration N2 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-07-02 04:52:00 | Vibration N2 Turbine Frame             | 0.02 | 0.1  |                                            |
| 2021-07-01 13:24:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-07-01 13:24:00 | (1)                                    |      |      | 753                                        |
| 2021-07-01 13:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-01 13:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-01 13:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-01 13:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-01 13:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-01 13:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-01 13:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-01 13:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-01 13:24:00 | Air Speed Indicated                    |      |      | 256.3                                      |
| 2021-07-01 13:24:00 | Aircraft Gross Weight                  |      |      | 63756                                      |
| 2021-07-01 13:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-01 13:24:00 | Altitude                               |      |      | 35102                                      |
| 2021-07-01 13:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-01 13:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-01 13:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-01 13:24:00 | Core Speed                             | 94.1 | 93.8 |                                            |
| 2021-07-01 13:24:00 | Date GE Received                       |      |      | 07/01/2021                                 |
| 2021-07-01 13:24:00 | Date of Report                         |      |      | 07/01/2021                                 |
| 2021-07-01 13:24:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-01 13:24:00 | Destination Station                    |      |      | ZBH                                        |
| 2021-07-01 13:24:00 | Downlink Ground Station                |      |      | HET                                        |
| 2021-07-01 13:24:00 | EGT Exhaust Gas Temperature            | 671  | 677  |                                            |
| 2021-07-01 13:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-01 13:24:00 | Flight Counter                         |      |      | 2133                                       |
| 2021-07-01 13:24:00 | Flight Number ACARS                    |      |      | 5753                                       |
| 2021-07-01 13:24:00 | Flight Number ACMS                     |      |      | 5753                                       |
| 2021-07-01 13:24:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-01 13:24:00 | Fuel Flow                              | 1178 | 1168 |                                            |
| 2021-07-01 13:24:00 | Ground Speed                           |      |      | 458.9                                      |
| 2021-07-01 13:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-01 13:24:00 | Leg                                    |      |      | 1                                          |
| 2021-07-01 13:24:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-07-01 13:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-01 13:24:00 | N1 Indicated Fan Speed                 | 88.7 | 88.7 |                                            |
| 2021-07-01 13:24:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-07-01 13:24:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-01 13:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-01 13:24:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-01 13:24:00 | Temperature Static Air                 |      |      | -36.7                                      |
| 2021-07-01 13:24:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-07-01 13:24:00 | Time GE Received                       |      |      | 15:22:35                                   |
| 2021-07-01 13:24:00 | Time Of Report                         |      |      | 13:24:00                                   |
| 2021-07-01 13:24:00 | Total Air Temperature Aircraft         |      |      | -9.5                                       |
| 2021-07-01 13:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-01 13:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-01 13:24:00 | Vibration N1 #1 Bearing                | 0.28 | 0.1  |                                            |
| 2021-07-01 13:24:00 | Vibration N1 Phase Angle #1 Bearing    | 122  | 67   |                                            |
| 2021-07-01 13:24:00 | Vibration N1 Phase Angle Turbine Frame | 126  | 81   |                                            |
| 2021-07-01 13:24:00 | Vibration N1 Turbine Frame             | 0.41 | 0.27 |                                            |
| 2021-07-01 13:24:00 | Vibration N2 #1 Bearing                | 0.03 | 0.13 |                                            |
| 2021-07-01 13:24:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-07-01 09:20:00 | (1)                                    |      | 63.4 | 21                                         |
| 2021-07-01 09:20:00 | (1)                                    |      |      | 806                                        |
| 2021-07-01 09:20:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-07-01 09:20:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-01 09:20:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-01 09:20:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-01 09:20:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-01 09:20:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-01 09:20:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-01 09:20:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-01 09:20:00 | Air Speed Indicated                    |      |      | 262.1                                      |
| 2021-07-01 09:20:00 | Aircraft Gross Weight                  |      |      | 65952                                      |
| 2021-07-01 09:20:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-01 09:20:00 | Altitude                               |      |      | 34094                                      |
| 2021-07-01 09:20:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-01 09:20:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-01 09:20:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-01 09:20:00 | Core Speed                             | 94.4 | 94   |                                            |
| 2021-07-01 09:20:00 | Date GE Received                       |      |      | 07/01/2021                                 |
| 2021-07-01 09:20:00 | Date of Report                         |      |      | 07/01/2021                                 |
| 2021-07-01 09:20:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-07-01 09:20:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-07-01 09:20:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-07-01 09:20:00 | EGT Exhaust Gas Temperature            | 686  | 699  |                                            |
| 2021-07-01 09:20:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-01 09:20:00 | Flight Counter                         |      |      | 2581                                       |
| 2021-07-01 09:20:00 | Flight Number ACARS                    |      |      | 5806                                       |
| 2021-07-01 09:20:00 | Flight Number ACMS                     |      |      | 5806                                       |
| 2021-07-01 09:20:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-01 09:20:00 | Fuel Flow                              | 1261 | 1257 |                                            |
| 2021-07-01 09:20:00 | Ground Speed                           |      |      | 436.4                                      |
| 2021-07-01 09:20:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-01 09:20:00 | Leg                                    |      |      | 1                                          |
| 2021-07-01 09:20:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-07-01 09:20:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-01 09:20:00 | N1 Indicated Fan Speed                 | 89.1 | 89   |                                            |
| 2021-07-01 09:20:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-07-01 09:20:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-01 09:20:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-01 09:20:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-01 09:20:00 | Temperature Static Air                 |      |      | -35.8                                      |
| 2021-07-01 09:20:00 | Throttle Lever Angle                   | 63.5 | 63.4 |                                            |
| 2021-07-01 09:20:00 | Time GE Received                       |      |      | 11:17:49                                   |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-01 09:20:00 | Time Of Report                         |      |      | 09:20:00                                   |
| 2021-07-01 09:20:00 | Total Air Temperature Aircraft         |      |      | -8.5                                       |
| 2021-07-01 09:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-01 09:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-01 09:20:00 | Vibration N1 #1 Bearing                | 0.35 | 0.12 |                                            |
| 2021-07-01 09:20:00 | Vibration N1 Phase Angle #1 Bearing    | 95   | 70   |                                            |
| 2021-07-01 09:20:00 | Vibration N1 Phase Angle Turbine Frame | 119  | 91   |                                            |
| 2021-07-01 09:20:00 | Vibration N1 Turbine Frame             | 0.45 | 0.35 |                                            |
| 2021-07-01 09:20:00 | Vibration N2 #1 Bearing                | 0.04 | 0.16 |                                            |
| 2021-07-01 09:20:00 | Vibration N2 Turbine Frame             | 0.09 | 0.11 |                                            |
| 2021-07-01 04:20:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-07-01 04:20:00 | (1)                                    |      |      | 805                                        |
| 2021-07-01 04:20:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-07-01 04:20:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-07-01 04:20:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-07-01 04:20:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-07-01 04:20:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-07-01 04:20:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-07-01 04:20:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-07-01 04:20:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-07-01 04:20:00 | Air Speed Indicated                    |      |      | 256.5                                      |
| 2021-07-01 04:20:00 | Aircraft Gross Weight                  |      |      | 64119                                      |
| 2021-07-01 04:20:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-07-01 04:20:00 | Altitude                               |      |      | 35100                                      |
| 2021-07-01 04:20:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-07-01 04:20:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-07-01 04:20:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-07-01 04:20:00 | Core Speed                             | 94.1 | 93.8 |                                            |
| 2021-07-01 04:20:00 | Date GE Received                       |      |      | 07/01/2021                                 |
| 2021-07-01 04:20:00 | Date of Report                         |      |      | 07/01/2021                                 |
| 2021-07-01 04:20:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-07-01 04:20:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-07-01 04:20:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-07-01 04:20:00 | EGT Exhaust Gas Temperature            | 671  | 677  |                                            |
| 2021-07-01 04:20:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-07-01 04:20:00 | Flight Counter                         |      |      | 2170                                       |
| 2021-07-01 04:20:00 | Flight Number ACARS                    |      |      | 5805                                       |
| 2021-07-01 04:20:00 | Flight Number ACMS                     |      |      | 5805                                       |
| 2021-07-01 04:20:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-07-01 04:20:00 | Fuel Flow                              | 1178 | 1163 |                                            |
| 2021-07-01 04:20:00 | Ground Speed                           |      |      | 456.1                                      |
| 2021-07-01 04:20:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-07-01 04:20:00 | Leg                                    |      |      | 1                                          |
| 2021-07-01 04:20:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-07-01 04:20:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-07-01 04:20:00 | N1 Indicated Fan Speed                 | 88.5 | 88.6 |                                            |
| 2021-07-01 04:20:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-07-01 04:20:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-07-01 04:20:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-07-01 04:20:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-07-01 04:20:00 | Temperature Static Air                 |      |      | -37.7                                      |
| 2021-07-01 04:20:00 | Throttle Lever Angle                   | 62.5 | 62.5 |                                            |
| 2021-07-01 04:20:00 | Time GE Received                       |      |      | 06:15:33                                   |
| 2021-07-01 04:20:00 | Time Of Report                         |      |      | 04:20:00                                   |
| 2021-07-01 04:20:00 | Total Air Temperature Aircraft         |      |      | -10.5                                      |
| 2021-07-01 04:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-01 04:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-07-01 04:20:00 | Vibration N1 #1 Bearing                | 0.18 | 0.1  |                                            |
| 2021-07-01 04:20:00 | Vibration N1 Phase Angle #1 Bearing    | 147  | 53   |                                            |
| 2021-07-01 04:20:00 | Vibration N1 Phase Angle Turbine Frame | 109  | 82   |                                            |
| 2021-07-01 04:20:00 | Vibration N1 Turbine Frame             | 0.39 | 0.26 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-07-01 04:20:00 | Vibration N2 #1 Bearing                | 0.03 | 0.14 |                                            |
| 2021-07-01 04:20:00 | Vibration N2 Turbine Frame             | 0.07 | 0.12 |                                            |
| 2021-06-30 16:15:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-06-30 16:15:00 | (1)                                    |      |      | 722                                        |
| 2021-06-30 16:15:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-30 16:15:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-30 16:15:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-30 16:15:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-30 16:15:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-30 16:15:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-30 16:15:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-30 16:15:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-30 16:15:00 | Air Speed Indicated                    |      |      | 294.3                                      |
| 2021-06-30 16:15:00 | Aircraft Gross Weight                  |      |      | 63902                                      |
| 2021-06-30 16:15:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-30 16:15:00 | Altitude                               |      |      | 25603                                      |
| 2021-06-30 16:15:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-30 16:15:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-30 16:15:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-30 16:15:00 | Core Speed                             | 95.4 | 95.4 |                                            |
| 2021-06-30 16:15:00 | Date GE Received                       |      |      | 06/30/2021                                 |
| 2021-06-30 16:15:00 | Date of Report                         |      |      | 06/30/2021                                 |
| 2021-06-30 16:15:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-06-30 16:15:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-30 16:15:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-30 16:15:00 | EGT Exhaust Gas Temperature            | 663  | 663  |                                            |
| 2021-06-30 16:15:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-30 16:15:00 | Flight Counter                         |      |      | 2554                                       |
| 2021-06-30 16:15:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-06-30 16:15:00 | Flight Number ACMS                     |      |      | 5722                                       |
| 2021-06-30 16:15:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-30 16:15:00 | Fuel Flow                              | 1418 | 1404 |                                            |
| 2021-06-30 16:15:00 | Ground Speed                           |      |      | 442.4                                      |
| 2021-06-30 16:15:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-30 16:15:00 | Leg                                    |      |      | 1                                          |
| 2021-06-30 16:15:00 | Mach Number                            |      |      | 0.712                                      |
| 2021-06-30 16:15:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-30 16:15:00 | N1 Indicated Fan Speed                 | 85.9 | 86   |                                            |
| 2021-06-30 16:15:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-30 16:15:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-06-30 16:15:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-30 16:15:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-30 16:15:00 | Temperature Static Air                 |      |      | -13.8                                      |
| 2021-06-30 16:15:00 | Throttle Lever Angle                   | 62.2 | 62.2 |                                            |
| 2021-06-30 16:15:00 | Time GE Received                       |      |      | 16:50:42                                   |
| 2021-06-30 16:15:00 | Time Of Report                         |      |      | 16:15:00                                   |
| 2021-06-30 16:15:00 | Total Air Temperature Aircraft         |      |      | 12.5                                       |
| 2021-06-30 16:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 16:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 16:15:00 | Vibration N1 #1 Bearing                | 0.12 | 0.17 |                                            |
| 2021-06-30 16:15:00 | Vibration N1 Phase Angle #1 Bearing    | 110  | 74   |                                            |
| 2021-06-30 16:15:00 | Vibration N1 Phase Angle Turbine Frame | 133  | 87   |                                            |
| 2021-06-30 16:15:00 | Vibration N1 Turbine Frame             | 0.32 | 0.32 |                                            |
| 2021-06-30 16:15:00 | Vibration N2 #1 Bearing                | 0.12 | 0.3  |                                            |
| 2021-06-30 16:15:00 | Vibration N2 Turbine Frame             | 0.08 | 0.01 |                                            |
| 2021-06-30 12:21:00 | (1)                                    |      | 58.7 | 21                                         |
| 2021-06-30 12:21:00 | (1)                                    |      |      | 721                                        |
| 2021-06-30 12:21:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-30 12:21:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-30 12:21:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-30 12:21:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-30 12:21:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-30 12:21:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-30 12:21:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-30 12:21:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-30 12:21:00 | Air Speed Indicated                    |      |      | 266.7                                      |
| 2021-06-30 12:21:00 | Aircraft Gross Weight                  |      |      | 63666                                      |
| 2021-06-30 12:21:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-30 12:21:00 | Altitude                               |      |      | 24599                                      |
| 2021-06-30 12:21:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-30 12:21:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-30 12:21:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-30 12:21:00 | Core Speed                             | 93.2 | 93.1 |                                            |
| 2021-06-30 12:21:00 | Date GE Received                       |      |      | 06/30/2021                                 |
| 2021-06-30 12:21:00 | Date of Report                         |      |      | 06/30/2021                                 |
| 2021-06-30 12:21:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-30 12:21:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-06-30 12:21:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-06-30 12:21:00 | EGT Exhaust Gas Temperature            | 622  | 624  |                                            |
| 2021-06-30 12:21:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-30 12:21:00 | Flight Counter                         |      |      | 3134                                       |
| 2021-06-30 12:21:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-06-30 12:21:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-06-30 12:21:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-30 12:21:00 | Fuel Flow                              | 1199 | 1190 |                                            |
| 2021-06-30 12:21:00 | Ground Speed                           |      |      | 401                                        |
| 2021-06-30 12:21:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-30 12:21:00 | Leg                                    |      |      | 1                                          |
| 2021-06-30 12:21:00 | Mach Number                            |      |      | 0.637                                      |
| 2021-06-30 12:21:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-30 12:21:00 | N1 Indicated Fan Speed                 | 81   | 81   |                                            |
| 2021-06-30 12:21:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-30 12:21:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-06-30 12:21:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-30 12:21:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-30 12:21:00 | Temperature Static Air                 |      |      | -12.3                                      |
| 2021-06-30 12:21:00 | Throttle Lever Angle                   | 58.7 | 58.7 |                                            |
| 2021-06-30 12:21:00 | Time GE Received                       |      |      | 13:39:27                                   |
| 2021-06-30 12:21:00 | Time Of Report                         |      |      | 12:21:00                                   |
| 2021-06-30 12:21:00 | Total Air Temperature Aircraft         |      |      | 9                                          |
| 2021-06-30 12:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 12:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 12:21:00 | Vibration N1 #1 Bearing                | 0.07 | 0.05 |                                            |
| 2021-06-30 12:21:00 | Vibration N1 Phase Angle #1 Bearing    | 162  | 27   |                                            |
| 2021-06-30 12:21:00 | Vibration N1 Phase Angle Turbine Frame | 89   | 38   |                                            |
| 2021-06-30 12:21:00 | Vibration N1 Turbine Frame             | 0.18 | 0.18 |                                            |
| 2021-06-30 12:21:00 | Vibration N2 #1 Bearing                | 0.05 | 0.08 |                                            |
| 2021-06-30 12:21:00 | Vibration N2 Turbine Frame             | 0.1  | 0.1  |                                            |
| 2021-06-30 08:44:00 | (1)                                    |      | 61.3 | 21                                         |
| 2021-06-30 08:44:00 | (1)                                    |      |      | 890                                        |
| 2021-06-30 08:44:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-30 08:44:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-30 08:44:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-30 08:44:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-30 08:44:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-30 08:44:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-30 08:44:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-30 08:44:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-30 08:44:00 | Air Speed Indicated                    |      |      | 276.2                                      |
| 2021-06-30 08:44:00 | Aircraft Gross Weight                  |      |      | 57878                                      |
| 2021-06-30 08:44:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-30 08:44:00 | Altitude                               |      |      | 30099                                      |

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|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-30 08:44:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-30 08:44:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-30 08:44:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-30 08:44:00 | Core Speed                             | 94.2 | 93.9 |                                            |
| 2021-06-30 08:44:00 | Date GE Received                       |      |      | 06/30/2021                                 |
| 2021-06-30 08:44:00 | Date of Report                         |      |      | 06/30/2021                                 |
| 2021-06-30 08:44:00 | Departure Station                      |      |      | ZGN                                        |
| 2021-06-30 08:44:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-30 08:44:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-30 08:44:00 | EGT Exhaust Gas Temperature            | 649  | 660  |                                            |
| 2021-06-30 08:44:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-30 08:44:00 | Flight Counter                         |      |      | 3982                                       |
| 2021-06-30 08:44:00 | Flight Number ACARS                    |      |      | 5890                                       |
| 2021-06-30 08:44:00 | Flight Number ACMS                     |      |      | 5890                                       |
| 2021-06-30 08:44:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-06-30 08:44:00 | Fuel Flow                              | 1219 | 1219 |                                            |
| 2021-06-30 08:44:00 | Ground Speed                           |      |      | 446                                        |
| 2021-06-30 08:44:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-30 08:44:00 | Leg                                    |      |      | 1                                          |
| 2021-06-30 08:44:00 | Mach Number                            |      |      | 0.734                                      |
| 2021-06-30 08:44:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-30 08:44:00 | N1 Indicated Fan Speed                 | 85.6 | 85.7 |                                            |
| 2021-06-30 08:44:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-30 08:44:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-06-30 08:44:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-30 08:44:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-30 08:44:00 | Temperature Static Air                 |      |      | -24.2                                      |
| 2021-06-30 08:44:00 | Throttle Lever Angle                   | 61.3 | 61.3 |                                            |
| 2021-06-30 08:44:00 | Time GE Received                       |      |      | 09:12:00                                   |
| 2021-06-30 08:44:00 | Time Of Report                         |      |      | 08:44:00                                   |
| 2021-06-30 08:44:00 | Total Air Temperature Aircraft         |      |      | 2.5                                        |
| 2021-06-30 08:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 08:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 08:44:00 | Vibration N1 #1 Bearing                | 0.11 | 0.08 |                                            |
| 2021-06-30 08:44:00 | Vibration N1 Phase Angle #1 Bearing    | 121  | 34   |                                            |
| 2021-06-30 08:44:00 | Vibration N1 Phase Angle Turbine Frame | 129  | 54   |                                            |
| 2021-06-30 08:44:00 | Vibration N1 Turbine Frame             | 0.32 | 0.26 |                                            |
| 2021-06-30 08:44:00 | Vibration N2 #1 Bearing                | 0.02 | 0.13 |                                            |
| 2021-06-30 08:44:00 | Vibration N2 Turbine Frame             | 0.09 | 0.1  |                                            |
| 2021-06-30 06:16:00 | (1)                                    |      | 58.1 | 21                                         |
| 2021-06-30 06:16:00 | (1)                                    |      |      | 889                                        |
| 2021-06-30 06:16:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-30 06:16:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-30 06:16:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-30 06:16:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-30 06:16:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-30 06:16:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-30 06:16:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-30 06:16:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-30 06:16:00 | Air Speed Indicated                    |      |      | 259.5                                      |
| 2021-06-30 06:16:00 | Aircraft Gross Weight                  |      |      | 58894                                      |
| 2021-06-30 06:16:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-30 06:16:00 | Altitude                               |      |      | 24602                                      |
| 2021-06-30 06:16:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-30 06:16:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-30 06:16:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-30 06:16:00 | Core Speed                             | 92.7 | 92.5 |                                            |
| 2021-06-30 06:16:00 | Date GE Received                       |      |      | 06/30/2021                                 |
| 2021-06-30 06:16:00 | Date of Report                         |      |      | 06/30/2021                                 |
| 2021-06-30 06:16:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-30 06:16:00 | Destination Station                    |      |      | ZGN                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-30 06:16:00 | Downlink Ground Station                |      |      | NNG                                        |
| 2021-06-30 06:16:00 | EGT Exhaust Gas Temperature            | 615  | 626  |                                            |
| 2021-06-30 06:16:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-30 06:16:00 | Flight Counter                         |      |      | 1760                                       |
| 2021-06-30 06:16:00 | Flight Number ACARS                    |      |      | 5889                                       |
| 2021-06-30 06:16:00 | Flight Number ACMS                     |      |      | 5889                                       |
| 2021-06-30 06:16:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-30 06:16:00 | Fuel Flow                              | 1160 | 1165 |                                            |
| 2021-06-30 06:16:00 | Ground Speed                           |      |      | 395.6                                      |
| 2021-06-30 06:16:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-30 06:16:00 | Leg                                    |      |      | 1                                          |
| 2021-06-30 06:16:00 | Mach Number                            |      |      | 0.621                                      |
| 2021-06-30 06:16:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-30 06:16:00 | N1 Indicated Fan Speed                 | 80.2 | 80.3 |                                            |
| 2021-06-30 06:16:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-30 06:16:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-06-30 06:16:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-30 06:16:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-30 06:16:00 | Temperature Static Air                 |      |      | -12.5                                      |
| 2021-06-30 06:16:00 | Throttle Lever Angle                   | 58.1 | 58.1 |                                            |
| 2021-06-30 06:16:00 | Time GE Received                       |      |      | 06:33:30                                   |
| 2021-06-30 06:16:00 | Time Of Report                         |      |      | 06:16:00                                   |
| 2021-06-30 06:16:00 | Total Air Temperature Aircraft         |      |      | 7.5                                        |
| 2021-06-30 06:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 06:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 06:16:00 | Vibration N1 #1 Bearing                | 0.06 | 0.06 |                                            |
| 2021-06-30 06:16:00 | Vibration N1 Phase Angle #1 Bearing    | 181  | 10   |                                            |
| 2021-06-30 06:16:00 | Vibration N1 Phase Angle Turbine Frame | 147  | 22   |                                            |
| 2021-06-30 06:16:00 | Vibration N1 Turbine Frame             | 0.19 | 0.19 |                                            |
| 2021-06-30 06:16:00 | Vibration N2 #1 Bearing                | 0.03 | 0.05 |                                            |
| 2021-06-30 06:16:00 | Vibration N2 Turbine Frame             | 0.05 | 0.07 |                                            |
| 2021-06-30 01:13:00 | (1)                                    |      | 57.7 | 21                                         |
| 2021-06-30 01:13:00 | (1)                                    |      |      | 840                                        |
| 2021-06-30 01:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-30 01:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-30 01:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-30 01:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-30 01:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-30 01:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-30 01:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-30 01:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-30 01:13:00 | Air Speed Indicated                    |      |      | 289.7                                      |
| 2021-06-30 01:13:00 | Aircraft Gross Weight                  |      |      | 67657                                      |
| 2021-06-30 01:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-30 01:13:00 | Altitude                               |      |      | 19700                                      |
| 2021-06-30 01:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-30 01:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-30 01:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-30 01:13:00 | Core Speed                             | 91.7 | 91.7 |                                            |
| 2021-06-30 01:13:00 | Date GE Received                       |      |      | 06/30/2021                                 |
| 2021-06-30 01:13:00 | Date of Report                         |      |      | 06/30/2021                                 |
| 2021-06-30 01:13:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-06-30 01:13:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-30 01:13:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-30 01:13:00 | EGT Exhaust Gas Temperature            | 604  | 607  |                                            |
| 2021-06-30 01:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-30 01:13:00 | Flight Counter                         |      |      | 1316                                       |
| 2021-06-30 01:13:00 | Flight Number ACARS                    |      |      | 5840                                       |
| 2021-06-30 01:13:00 | Flight Number ACMS                     |      |      | 5840                                       |
| 2021-06-30 01:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-30 01:13:00 | Fuel Flow                              | 1359 | 1360 |                                            |

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|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-30 01:13:00 | Ground Speed                           |      |      | 377.1                                      |
| 2021-06-30 01:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-30 01:13:00 | Leg                                    |      |      | 1                                          |
| 2021-06-30 01:13:00 | Mach Number                            |      |      | 0.627                                      |
| 2021-06-30 01:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-30 01:13:00 | N1 Indicated Fan Speed                 | 79   | 79.2 |                                            |
| 2021-06-30 01:13:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-06-30 01:13:00 | Oil Temperature                        | 107  | 107  |                                            |
| 2021-06-30 01:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-30 01:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-30 01:13:00 | Temperature Static Air                 |      |      | -11                                        |
| 2021-06-30 01:13:00 | Throttle Lever Angle                   | 57.6 | 57.7 |                                            |
| 2021-06-30 01:13:00 | Time GE Received                       |      |      | 02:59:38                                   |
| 2021-06-30 01:13:00 | Time Of Report                         |      |      | 01:13:00                                   |
| 2021-06-30 01:13:00 | Total Air Temperature Aircraft         |      |      | 9.8                                        |
| 2021-06-30 01:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 01:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-30 01:13:00 | Vibration N1 #1 Bearing                | 0.07 | 0.06 |                                            |
| 2021-06-30 01:13:00 | Vibration N1 Phase Angle #1 Bearing    | 169  | 22   |                                            |
| 2021-06-30 01:13:00 | Vibration N1 Phase Angle Turbine Frame | 80   | 35   |                                            |
| 2021-06-30 01:13:00 | Vibration N1 Turbine Frame             | 0.21 | 0.17 |                                            |
| 2021-06-30 01:13:00 | Vibration N2 #1 Bearing                | 0.03 | 0.08 |                                            |
| 2021-06-30 01:13:00 | Vibration N2 Turbine Frame             | 0.02 | 0.1  |                                            |
| 2021-06-29 13:56:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-06-29 13:56:00 | (1)                                    |      |      | 839                                        |
| 2021-06-29 13:56:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-29 13:56:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-29 13:56:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-29 13:56:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-29 13:56:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-29 13:56:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-29 13:56:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-29 13:56:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-29 13:56:00 | Air Speed Indicated                    |      |      | 257.3                                      |
| 2021-06-29 13:56:00 | Aircraft Gross Weight                  |      |      | 65081                                      |
| 2021-06-29 13:56:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-29 13:56:00 | Altitude                               |      |      | 35103                                      |
| 2021-06-29 13:56:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-29 13:56:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-29 13:56:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-29 13:56:00 | Core Speed                             | 94.6 | 94.2 |                                            |
| 2021-06-29 13:56:00 | Date GE Received                       |      |      | 06/29/2021                                 |
| 2021-06-29 13:56:00 | Date of Report                         |      |      | 06/29/2021                                 |
| 2021-06-29 13:56:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-29 13:56:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-06-29 13:56:00 | Downlink Ground Station                |      |      | NNY                                        |
| 2021-06-29 13:56:00 | EGT Exhaust Gas Temperature            | 680  | 686  |                                            |
| 2021-06-29 13:56:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-29 13:56:00 | Flight Counter                         |      |      | 434                                        |
| 2021-06-29 13:56:00 | Flight Number ACARS                    |      |      | 5839                                       |
| 2021-06-29 13:56:00 | Flight Number ACMS                     |      |      | 5839                                       |
| 2021-06-29 13:56:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-29 13:56:00 | Fuel Flow                              | 1206 | 1184 |                                            |
| 2021-06-29 13:56:00 | Ground Speed                           |      |      | 444.5                                      |
| 2021-06-29 13:56:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-29 13:56:00 | Leg                                    |      |      | 1                                          |
| 2021-06-29 13:56:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-06-29 13:56:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-29 13:56:00 | N1 Indicated Fan Speed                 | 89.2 | 89.1 |                                            |
| 2021-06-29 13:56:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-06-29 13:56:00 | Oil Temperature                        | 112  | 112  |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-29 13:56:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-29 13:56:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-29 13:56:00 | Temperature Static Air                 |      |      | -36.3                                      |
| 2021-06-29 13:56:00 | Throttle Lever Angle                   | 63.2 | 63.1 |                                            |
| 2021-06-29 13:56:00 | Time GE Received                       |      |      | 15:22:26                                   |
| 2021-06-29 13:56:00 | Time Of Report                         |      |      | 13:56:00                                   |
| 2021-06-29 13:56:00 | Total Air Temperature Aircraft         |      |      | -8.8                                       |
| 2021-06-29 13:56:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-29 13:56:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-29 13:56:00 | Vibration N1 #1 Bearing                | 0.08 | 0.09 |                                            |
| 2021-06-29 13:56:00 | Vibration N1 Phase Angle #1 Bearing    | 115  | 48   |                                            |
| 2021-06-29 13:56:00 | Vibration N1 Phase Angle Turbine Frame | 92   | 74   |                                            |
| 2021-06-29 13:56:00 | Vibration N1 Turbine Frame             | 0.27 | 0.32 |                                            |
| 2021-06-29 13:56:00 | Vibration N2 #1 Bearing                | 0.03 | 0.22 |                                            |
| 2021-06-29 13:56:00 | Vibration N2 Turbine Frame             | 0.06 | 0.11 |                                            |
| 2021-06-29 10:04:00 | (1)                                    |      | 59.9 | 21                                         |
| 2021-06-29 10:04:00 | (1)                                    |      |      | 854                                        |
| 2021-06-29 10:04:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-29 10:04:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-29 10:04:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-29 10:04:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-29 10:04:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-29 10:04:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-29 10:04:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-29 10:04:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-29 10:04:00 | Air Speed Indicated                    |      |      | 279.8                                      |
| 2021-06-29 10:04:00 | Aircraft Gross Weight                  |      |      | 61761                                      |
| 2021-06-29 10:04:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-29 10:04:00 | Altitude                               |      |      | 25600                                      |
| 2021-06-29 10:04:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-29 10:04:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-29 10:04:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-29 10:04:00 | Core Speed                             | 93.8 | 93.7 |                                            |
| 2021-06-29 10:04:00 | Date GE Received                       |      |      | 06/29/2021                                 |
| 2021-06-29 10:04:00 | Date of Report                         |      |      | 06/29/2021                                 |
| 2021-06-29 10:04:00 | Departure Station                      |      |      | ZSC                                        |
| 2021-06-29 10:04:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-29 10:04:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-29 10:04:00 | EGT Exhaust Gas Temperature            | 634  | 633  |                                            |
| 2021-06-29 10:04:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-29 10:04:00 | Flight Counter                         |      |      | 1042                                       |
| 2021-06-29 10:04:00 | Flight Number ACARS                    |      |      | 7854                                       |
| 2021-06-29 10:04:00 | Flight Number ACMS                     |      |      | 7854                                       |
| 2021-06-29 10:04:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-29 10:04:00 | Fuel Flow                              | 1246 | 1237 |                                            |
| 2021-06-29 10:04:00 | Ground Speed                           |      |      | 432.5                                      |
| 2021-06-29 10:04:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-29 10:04:00 | Leg                                    |      |      | 1                                          |
| 2021-06-29 10:04:00 | Mach Number                            |      |      | 0.68                                       |
| 2021-06-29 10:04:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-29 10:04:00 | N1 Indicated Fan Speed                 | 82.7 | 82.7 |                                            |
| 2021-06-29 10:04:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-29 10:04:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-06-29 10:04:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-29 10:04:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-29 10:04:00 | Temperature Static Air                 |      |      | -14.3                                      |
| 2021-06-29 10:04:00 | Throttle Lever Angle                   | 59.9 | 59.9 |                                            |
| 2021-06-29 10:04:00 | Time GE Received                       |      |      | 11:00:00                                   |
| 2021-06-29 10:04:00 | Time Of Report                         |      |      | 10:04:00                                   |
| 2021-06-29 10:04:00 | Total Air Temperature Aircraft         |      |      | 9.8                                        |
| 2021-06-29 10:04:00 | Unknown parameter/formatting character |      |      | 0                                          |

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|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-29 10:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-29 10:04:00 | Vibration N1 #1 Bearing                | 0.01 | 0.08 |                                            |
| 2021-06-29 10:04:00 | Vibration N1 Phase Angle #1 Bearing    | 22   | 50   |                                            |
| 2021-06-29 10:04:00 | Vibration N1 Phase Angle Turbine Frame | 155  | 52   |                                            |
| 2021-06-29 10:04:00 | Vibration N1 Turbine Frame             | 0.09 | 0.22 |                                            |
| 2021-06-29 10:04:00 | Vibration N2 #1 Bearing                | 0.04 | 0.17 |                                            |
| 2021-06-29 10:04:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |
| 2021-06-29 06:24:00 | (1)                                    |      | 58.1 | 21                                         |
| 2021-06-29 06:24:00 | (1)                                    |      |      | 853                                        |
| 2021-06-29 06:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-29 06:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-29 06:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-29 06:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-29 06:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-29 06:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-29 06:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-29 06:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-29 06:24:00 | Air Speed Indicated                    |      |      | 280.3                                      |
| 2021-06-29 06:24:00 | Aircraft Gross Weight                  |      |      | 61416                                      |
| 2021-06-29 06:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-29 06:24:00 | Altitude                               |      |      | 22601                                      |
| 2021-06-29 06:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-29 06:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-29 06:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-29 06:24:00 | Core Speed                             | 92.8 | 92.6 |                                            |
| 2021-06-29 06:24:00 | Date GE Received                       |      |      | 06/29/2021                                 |
| 2021-06-29 06:24:00 | Date of Report                         |      |      | 06/29/2021                                 |
| 2021-06-29 06:24:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-29 06:24:00 | Destination Station                    |      |      | ZSC                                        |
| 2021-06-29 06:24:00 | Downlink Ground Station                |      |      | KHN                                        |
| 2021-06-29 06:24:00 | EGT Exhaust Gas Temperature            | 615  | 610  |                                            |
| 2021-06-29 06:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-29 06:24:00 | Flight Counter                         |      |      | 1839                                       |
| 2021-06-29 06:24:00 | Flight Number ACARS                    |      |      | 7853                                       |
| 2021-06-29 06:24:00 | Flight Number ACMS                     |      |      | 7853                                       |
| 2021-06-29 06:24:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-29 06:24:00 | Fuel Flow                              | 1232 | 1221 |                                            |
| 2021-06-29 06:24:00 | Ground Speed                           |      |      | 398.7                                      |
| 2021-06-29 06:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-29 06:24:00 | Leg                                    |      |      | 1                                          |
| 2021-06-29 06:24:00 | Mach Number                            |      |      | 0.642                                      |
| 2021-06-29 06:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-29 06:24:00 | N1 Indicated Fan Speed                 | 79.8 | 79.7 |                                            |
| 2021-06-29 06:24:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-06-29 06:24:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-06-29 06:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-29 06:24:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-29 06:24:00 | Temperature Static Air                 |      |      | -9                                         |
| 2021-06-29 06:24:00 | Throttle Lever Angle                   | 58.2 | 58.1 |                                            |
| 2021-06-29 06:24:00 | Time GE Received                       |      |      | 07:03:52                                   |
| 2021-06-29 06:24:00 | Time Of Report                         |      |      | 06:24:00                                   |
| 2021-06-29 06:24:00 | Total Air Temperature Aircraft         |      |      | 12.7                                       |
| 2021-06-29 06:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-29 06:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-29 06:24:00 | Vibration N1 #1 Bearing                | 0.03 | 0.09 |                                            |
| 2021-06-29 06:24:00 | Vibration N1 Phase Angle #1 Bearing    | 338  | 41   |                                            |
| 2021-06-29 06:24:00 | Vibration N1 Phase Angle Turbine Frame | 109  | 43   |                                            |
| 2021-06-29 06:24:00 | Vibration N1 Turbine Frame             | 0.15 | 0.22 |                                            |
| 2021-06-29 06:24:00 | Vibration N2 #1 Bearing                | 0.01 | 0.08 |                                            |
| 2021-06-29 06:24:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-06-29 01:55:00 | (1)                                    |      | 60.1 | 21                                         |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-29 01:55:00 | (1)                                    |      |      | 840                                        |
| 2021-06-29 01:55:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-29 01:55:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-29 01:55:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-29 01:55:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-29 01:55:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-29 01:55:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-29 01:55:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-29 01:55:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-29 01:55:00 | Air Speed Indicated                    |      |      | 279.7                                      |
| 2021-06-29 01:55:00 | Aircraft Gross Weight                  |      |      | 64863                                      |
| 2021-06-29 01:55:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-29 01:55:00 | Altitude                               |      |      | 25595                                      |
| 2021-06-29 01:55:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-29 01:55:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-29 01:55:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-29 01:55:00 | Core Speed                             | 93.4 | 93.4 |                                            |
| 2021-06-29 01:55:00 | Date GE Received                       |      |      | 06/29/2021                                 |
| 2021-06-29 01:55:00 | Date of Report                         |      |      | 06/29/2021                                 |
| 2021-06-29 01:55:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-06-29 01:55:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-29 01:55:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-29 01:55:00 | EGT Exhaust Gas Temperature            | 636  | 632  |                                            |
| 2021-06-29 01:55:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-29 01:55:00 | Flight Counter                         |      |      | 1900                                       |
| 2021-06-29 01:55:00 | Flight Number ACARS                    |      |      | 5840                                       |
| 2021-06-29 01:55:00 | Flight Number ACMS                     |      |      | 5840                                       |
| 2021-06-29 01:55:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-29 01:55:00 | Fuel Flow                              | 1299 | 1286 |                                            |
| 2021-06-29 01:55:00 | Ground Speed                           |      |      | 380.6                                      |
| 2021-06-29 01:55:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-29 01:55:00 | Leg                                    |      |      | 1                                          |
| 2021-06-29 01:55:00 | Mach Number                            |      |      | 0.679                                      |
| 2021-06-29 01:55:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-29 01:55:00 | N1 Indicated Fan Speed                 | 82.9 | 82.9 |                                            |
| 2021-06-29 01:55:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-06-29 01:55:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-06-29 01:55:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-29 01:55:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-29 01:55:00 | Temperature Static Air                 |      |      | -19.8                                      |
| 2021-06-29 01:55:00 | Throttle Lever Angle                   | 60.1 | 60.1 |                                            |
| 2021-06-29 01:55:00 | Time GE Received                       |      |      | 03:40:05                                   |
| 2021-06-29 01:55:00 | Time Of Report                         |      |      | 01:55:00                                   |
| 2021-06-29 01:55:00 | Total Air Temperature Aircraft         |      |      | 3.8                                        |
| 2021-06-29 01:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-29 01:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-29 01:55:00 | Vibration N1 #1 Bearing                | 0.07 | 0.13 |                                            |
| 2021-06-29 01:55:00 | Vibration N1 Phase Angle #1 Bearing    | 174  | 53   |                                            |
| 2021-06-29 01:55:00 | Vibration N1 Phase Angle Turbine Frame | 105  | 58   |                                            |
| 2021-06-29 01:55:00 | Vibration N1 Turbine Frame             | 0.21 | 0.25 |                                            |
| 2021-06-29 01:55:00 | Vibration N2 #1 Bearing                | 0.03 | 0.14 |                                            |
| 2021-06-29 01:55:00 | Vibration N2 Turbine Frame             | 0.05 | 0.13 |                                            |
| 2021-06-28 14:02:00 | (1)                                    |      |      | 21                                         |
| 2021-06-28 14:02:00 | (1)                                    |      |      | 839                                        |
| 2021-06-28 14:02:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-28 14:02:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-28 14:02:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-28 14:02:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-28 14:02:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-28 14:02:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-28 14:02:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-28 14:02:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-28 14:02:00 | Air Speed Indicated                    |      |      | 253.1                                      |
| 2021-06-28 14:02:00 | Aircraft Gross Weight                  |      |      | 64065                                      |
| 2021-06-28 14:02:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-28 14:02:00 | Altitude                               |      |      | 35102                                      |
| 2021-06-28 14:02:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-28 14:02:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-28 14:02:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-28 14:02:00 | Core Speed                             | 94.2 | 93.8 |                                            |
| 2021-06-28 14:02:00 | Date GE Received                       |      |      | 06/28/2021                                 |
| 2021-06-28 14:02:00 | Date of Report                         |      |      | 06/28/2021                                 |
| 2021-06-28 14:02:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-28 14:02:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-06-28 14:02:00 | Downlink Ground Station                |      |      | CGO                                        |
| 2021-06-28 14:02:00 | EGT Exhaust Gas Temperature            | 683  | 694  |                                            |
| 2021-06-28 14:02:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-28 14:02:00 | Flight Counter                         |      |      | 1203                                       |
| 2021-06-28 14:02:00 | Flight Number ACARS                    |      |      | 5839                                       |
| 2021-06-28 14:02:00 | Flight Number ACMS                     |      |      | 5839                                       |
| 2021-06-28 14:02:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-28 14:02:00 | Fuel Flow                              | 1167 | 1172 |                                            |
| 2021-06-28 14:02:00 | Ground Speed                           |      |      | 438.5                                      |
| 2021-06-28 14:02:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-28 14:02:00 | Leg                                    |      |      | 1                                          |
| 2021-06-28 14:02:00 | Mach Number                            |      |      | 0.751                                      |
| 2021-06-28 14:02:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-28 14:02:00 | N1 Indicated Fan Speed                 | 88.3 | 88.4 |                                            |
| 2021-06-28 14:02:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-28 14:02:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-06-28 14:02:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-28 14:02:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-28 14:02:00 | Temperature Static Air                 |      |      | -36                                        |
| 2021-06-28 14:02:00 | Throttle Lever Angle                   | 63.1 | 63.1 |                                            |
| 2021-06-28 14:02:00 | Time GE Received                       |      |      | 15:23:51                                   |
| 2021-06-28 14:02:00 | Time Of Report                         |      |      | 14:02:00                                   |
| 2021-06-28 14:02:00 | Total Air Temperature Aircraft         |      |      | -9.3                                       |
| 2021-06-28 14:02:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 14:02:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 14:02:00 | Vibration N1 #1 Bearing                | 0.2  | 0.07 |                                            |
| 2021-06-28 14:02:00 | Vibration N1 Phase Angle #1 Bearing    | 112  | 22   |                                            |
| 2021-06-28 14:02:00 | Vibration N1 Phase Angle Turbine Frame | 105  | 76   |                                            |
| 2021-06-28 14:02:00 | Vibration N1 Turbine Frame             | 0.26 | 0.32 |                                            |
| 2021-06-28 14:02:00 | Vibration N2 #1 Bearing                | 0.02 | 0.19 |                                            |
| 2021-06-28 14:02:00 | Vibration N2 Turbine Frame             | 0.06 | 0.14 |                                            |
| 2021-06-28 09:38:00 | (1)                                    |      |      | 21                                         |
| 2021-06-28 09:38:00 | (1)                                    |      |      | 854                                        |
| 2021-06-28 09:38:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-28 09:38:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-28 09:38:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-28 09:38:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-28 09:38:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-28 09:38:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-28 09:38:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-28 09:38:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-28 09:38:00 | Air Speed Indicated                    |      |      | 297.6                                      |
| 2021-06-28 09:38:00 | Aircraft Gross Weight                  |      |      | 64863                                      |
| 2021-06-28 09:38:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-28 09:38:00 | Altitude                               |      |      | 23600                                      |
| 2021-06-28 09:38:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-28 09:38:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-28 09:38:00 | Carrier code (two character)           |      |      | MU                                         |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-28 09:38:00 | Core Speed                             | 94.7 | 94.6 |                                            |
| 2021-06-28 09:38:00 | Date GE Received                       |      |      | 06/28/2021                                 |
| 2021-06-28 09:38:00 | Date of Report                         |      |      | 06/28/2021                                 |
| 2021-06-28 09:38:00 | Departure Station                      |      |      | ZSC                                        |
| 2021-06-28 09:38:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-28 09:38:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-28 09:38:00 | EGT Exhaust Gas Temperature            | 649  | 647  |                                            |
| 2021-06-28 09:38:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-28 09:38:00 | Flight Counter                         |      |      | 1348                                       |
| 2021-06-28 09:38:00 | Flight Number ACARS                    |      |      | 7854                                       |
| 2021-06-28 09:38:00 | Flight Number ACMS                     |      |      | 7854                                       |
| 2021-06-28 09:38:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-28 09:38:00 | Fuel Flow                              | 1415 | 1394 |                                            |
| 2021-06-28 09:38:00 | Ground Speed                           |      |      | 433.5                                      |
| 2021-06-28 09:38:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-28 09:38:00 | Leg                                    |      |      | 1                                          |
| 2021-06-28 09:38:00 | Mach Number                            |      |      | 0.693                                      |
| 2021-06-28 09:38:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-28 09:38:00 | N1 Indicated Fan Speed                 | 84.1 | 84.1 |                                            |
| 2021-06-28 09:38:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-06-28 09:38:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-06-28 09:38:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-28 09:38:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-28 09:38:00 | Temperature Static Air                 |      |      | -10.2                                      |
| 2021-06-28 09:38:00 | Throttle Lever Angle                   | 61.1 | 61.1 |                                            |
| 2021-06-28 09:38:00 | Time GE Received                       |      |      | 10:51:49                                   |
| 2021-06-28 09:38:00 | Time Of Report                         |      |      | 09:38:00                                   |
| 2021-06-28 09:38:00 | Total Air Temperature Aircraft         |      |      | 15                                         |
| 2021-06-28 09:38:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 09:38:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 09:38:00 | Vibration N1 #1 Bearing                | 0.07 | 0.14 |                                            |
| 2021-06-28 09:38:00 | Vibration N1 Phase Angle #1 Bearing    | 124  | 61   |                                            |
| 2021-06-28 09:38:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 68   |                                            |
| 2021-06-28 09:38:00 | Vibration N1 Turbine Frame             | 0.25 | 0.29 |                                            |
| 2021-06-28 09:38:00 | Vibration N2 #1 Bearing                | 0.08 | 0.18 |                                            |
| 2021-06-28 09:38:00 | Vibration N2 Turbine Frame             | 0.09 | 0.06 |                                            |
| 2021-06-28 05:46:00 | (1)                                    |      | 60.9 | 21                                         |
| 2021-06-28 05:46:00 | (1)                                    |      |      | 853                                        |
| 2021-06-28 05:46:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-28 05:46:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-28 05:46:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-28 05:46:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-28 05:46:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-28 05:46:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-28 05:46:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-28 05:46:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-28 05:46:00 | Air Speed Indicated                    |      |      | 294                                        |
| 2021-06-28 05:46:00 | Aircraft Gross Weight                  |      |      | 61579                                      |
| 2021-06-28 05:46:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-28 05:46:00 | Altitude                               |      |      | 24600                                      |
| 2021-06-28 05:46:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-28 05:46:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-28 05:46:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-28 05:46:00 | Core Speed                             | 94.6 | 94.6 |                                            |
| 2021-06-28 05:46:00 | Date GE Received                       |      |      | 06/28/2021                                 |
| 2021-06-28 05:46:00 | Date of Report                         |      |      | 06/28/2021                                 |
| 2021-06-28 05:46:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-28 05:46:00 | Destination Station                    |      |      | ZSC                                        |
| 2021-06-28 05:46:00 | Downlink Ground Station                |      |      | KHN                                        |
| 2021-06-28 05:46:00 | EGT Exhaust Gas Temperature            | 645  | 644  |                                            |
| 2021-06-28 05:46:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |

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|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-28 05:46:00 | Flight Counter                         |      |      | 1959                                       |
| 2021-06-28 05:46:00 | Flight Number ACARS                    |      |      | 7853                                       |
| 2021-06-28 05:46:00 | Flight Number ACMS                     |      |      | 7853                                       |
| 2021-06-28 05:46:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-28 05:46:00 | Fuel Flow                              | 1362 | 1351 |                                            |
| 2021-06-28 05:46:00 | Ground Speed                           |      |      | 429.6                                      |
| 2021-06-28 05:46:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-28 05:46:00 | Leg                                    |      |      | 1                                          |
| 2021-06-28 05:46:00 | Mach Number                            |      |      | 0.698                                      |
| 2021-06-28 05:46:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-28 05:46:00 | N1 Indicated Fan Speed                 | 83.9 | 84   |                                            |
| 2021-06-28 05:46:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-06-28 05:46:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-06-28 05:46:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-28 05:46:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-28 05:46:00 | Temperature Static Air                 |      |      | -12.7                                      |
| 2021-06-28 05:46:00 | Throttle Lever Angle                   | 60.9 | 60.9 |                                            |
| 2021-06-28 05:46:00 | Time GE Received                       |      |      | 06:41:03                                   |
| 2021-06-28 05:46:00 | Time Of Report                         |      |      | 05:46:00                                   |
| 2021-06-28 05:46:00 | Total Air Temperature Aircraft         |      |      | 12.7                                       |
| 2021-06-28 05:46:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 05:46:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 05:46:00 | Vibration N1 #1 Bearing                | 0.11 | 0.12 |                                            |
| 2021-06-28 05:46:00 | Vibration N1 Phase Angle #1 Bearing    | 81   | 64   |                                            |
| 2021-06-28 05:46:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 65   |                                            |
| 2021-06-28 05:46:00 | Vibration N1 Turbine Frame             | 0.17 | 0.26 |                                            |
| 2021-06-28 05:46:00 | Vibration N2 #1 Bearing                | 0.03 | 0.18 |                                            |
| 2021-06-28 05:46:00 | Vibration N2 Turbine Frame             | 0.06 | 0.07 |                                            |
| 2021-06-28 01:21:00 | (1)                                    |      | 60.8 | 21                                         |
| 2021-06-28 01:21:00 | (1)                                    |      |      | 840                                        |
| 2021-06-28 01:21:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-28 01:21:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-28 01:21:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-28 01:21:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-28 01:21:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-28 01:21:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-28 01:21:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-28 01:21:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-28 01:21:00 | Air Speed Indicated                    |      |      | 289.3                                      |
| 2021-06-28 01:21:00 | Aircraft Gross Weight                  |      |      | 66170                                      |
| 2021-06-28 01:21:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-28 01:21:00 | Altitude                               |      |      | 25602                                      |
| 2021-06-28 01:21:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-28 01:21:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-28 01:21:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-28 01:21:00 | Core Speed                             | 94.2 | 94.2 |                                            |
| 2021-06-28 01:21:00 | Date GE Received                       |      |      | 06/28/2021                                 |
| 2021-06-28 01:21:00 | Date of Report                         |      |      | 06/28/2021                                 |
| 2021-06-28 01:21:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-06-28 01:21:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-28 01:21:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-28 01:21:00 | EGT Exhaust Gas Temperature            | 642  | 641  |                                            |
| 2021-06-28 01:21:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-28 01:21:00 | Flight Counter                         |      |      | 2083                                       |
| 2021-06-28 01:21:00 | Flight Number ACARS                    |      |      | 5840                                       |
| 2021-06-28 01:21:00 | Flight Number ACMS                     |      |      | 5840                                       |
| 2021-06-28 01:21:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-28 01:21:00 | Fuel Flow                              | 1356 | 1339 |                                            |
| 2021-06-28 01:21:00 | Ground Speed                           |      |      | 414                                        |
| 2021-06-28 01:21:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-28 01:21:00 | Leg                                    |      |      | 1                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-28 01:21:00 | Mach Number                            |      |      | 0.701                                      |
| 2021-06-28 01:21:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-28 01:21:00 | N1 Indicated Fan Speed                 | 84.4 | 84.4 |                                            |
| 2021-06-28 01:21:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-06-28 01:21:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-06-28 01:21:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-28 01:21:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-28 01:21:00 | Temperature Static Air                 |      |      | -17.7                                      |
| 2021-06-28 01:21:00 | Throttle Lever Angle                   | 60.8 | 60.8 |                                            |
| 2021-06-28 01:21:00 | Time GE Received                       |      |      | 03:10:17                                   |
| 2021-06-28 01:21:00 | Time Of Report                         |      |      | 01:21:00                                   |
| 2021-06-28 01:21:00 | Total Air Temperature Aircraft         |      |      | 7.3                                        |
| 2021-06-28 01:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 01:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-28 01:21:00 | Vibration N1 #1 Bearing                | 0.09 | 0.12 |                                            |
| 2021-06-28 01:21:00 | Vibration N1 Phase Angle #1 Bearing    | 135  | 58   |                                            |
| 2021-06-28 01:21:00 | Vibration N1 Phase Angle Turbine Frame | 110  | 69   |                                            |
| 2021-06-28 01:21:00 | Vibration N1 Turbine Frame             | 0.18 | 0.26 |                                            |
| 2021-06-28 01:21:00 | Vibration N2 #1 Bearing                | 0.05 | 0.19 |                                            |
| 2021-06-28 01:21:00 | Vibration N2 Turbine Frame             | 0.07 | 0.11 |                                            |
| 2021-06-27 13:58:00 | (1)                                    |      |      | 21                                         |
| 2021-06-27 13:58:00 | (1)                                    |      |      | 839                                        |
| 2021-06-27 13:58:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-27 13:58:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-27 13:58:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-27 13:58:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-27 13:58:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-27 13:58:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-27 13:58:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-27 13:58:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-27 13:58:00 | Air Speed Indicated                    |      |      | 255.9                                      |
| 2021-06-27 13:58:00 | Aircraft Gross Weight                  |      |      | 64464                                      |
| 2021-06-27 13:58:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-27 13:58:00 | Altitude                               |      |      | 35098                                      |
| 2021-06-27 13:58:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-27 13:58:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-27 13:58:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-27 13:58:00 | Core Speed                             | 94.7 | 94.3 |                                            |
| 2021-06-27 13:58:00 | Date GE Received                       |      |      | 06/27/2021                                 |
| 2021-06-27 13:58:00 | Date of Report                         |      |      | 06/27/2021                                 |
| 2021-06-27 13:58:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-27 13:58:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-06-27 13:58:00 | Downlink Ground Station                |      |      | NNY                                        |
| 2021-06-27 13:58:00 | EGT Exhaust Gas Temperature            | 690  | 705  |                                            |
| 2021-06-27 13:58:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-27 13:58:00 | Flight Counter                         |      |      | 2920                                       |
| 2021-06-27 13:58:00 | Flight Number ACARS                    |      |      | 5839                                       |
| 2021-06-27 13:58:00 | Flight Number ACMS                     |      |      | 5839                                       |
| 2021-06-27 13:58:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-27 13:58:00 | Fuel Flow                              | 1227 | 1226 |                                            |
| 2021-06-27 13:58:00 | Ground Speed                           |      |      | 441                                        |
| 2021-06-27 13:58:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-27 13:58:00 | Leg                                    |      |      | 1                                          |
| 2021-06-27 13:58:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-06-27 13:58:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-27 13:58:00 | N1 Indicated Fan Speed                 | 89.5 | 89.5 |                                            |
| 2021-06-27 13:58:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-27 13:58:00 | Oil Temperature                        | 113  | 111  |                                            |
| 2021-06-27 13:58:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-27 13:58:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-27 13:58:00 | Temperature Static Air                 |      |      | -36                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-27 13:58:00 | Throttle Lever Angle                   | 64   | 64   |                                            |
| 2021-06-27 13:58:00 | Time GE Received                       |      |      | 15:31:05                                   |
| 2021-06-27 13:58:00 | Time Of Report                         |      |      | 13:58:00                                   |
| 2021-06-27 13:58:00 | Total Air Temperature Aircraft         |      |      | -8.8                                       |
| 2021-06-27 13:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-27 13:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-27 13:58:00 | Vibration N1 #1 Bearing                | 0.31 | 0.1  |                                            |
| 2021-06-27 13:58:00 | Vibration N1 Phase Angle #1 Bearing    | 88   | 65   |                                            |
| 2021-06-27 13:58:00 | Vibration N1 Phase Angle Turbine Frame | 112  | 83   |                                            |
| 2021-06-27 13:58:00 | Vibration N1 Turbine Frame             | 0.37 | 0.32 |                                            |
| 2021-06-27 13:58:00 | Vibration N2 #1 Bearing                | 0.06 | 0.2  |                                            |
| 2021-06-27 13:58:00 | Vibration N2 Turbine Frame             | 0.1  | 0.09 |                                            |
| 2021-06-27 10:54:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-06-27 10:54:00 | (1)                                    |      |      | 806                                        |
| 2021-06-27 10:54:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-27 10:54:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-27 10:54:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-27 10:54:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-27 10:54:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-27 10:54:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-27 10:54:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-27 10:54:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-27 10:54:00 | Air Speed Indicated                    |      |      | 275.5                                      |
| 2021-06-27 10:54:00 | Aircraft Gross Weight                  |      |      | 61361                                      |
| 2021-06-27 10:54:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-27 10:54:00 | Altitude                               |      |      | 30102                                      |
| 2021-06-27 10:54:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-27 10:54:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-27 10:54:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-27 10:54:00 | Core Speed                             | 94.2 | 93.8 |                                            |
| 2021-06-27 10:54:00 | Date GE Received                       |      |      | 06/27/2021                                 |
| 2021-06-27 10:54:00 | Date of Report                         |      |      | 06/27/2021                                 |
| 2021-06-27 10:54:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-27 10:54:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-27 10:54:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-27 10:54:00 | EGT Exhaust Gas Temperature            | 656  | 664  |                                            |
| 2021-06-27 10:54:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-27 10:54:00 | Flight Counter                         |      |      | 163                                        |
| 2021-06-27 10:54:00 | Flight Number ACARS                    |      |      | 5806                                       |
| 2021-06-27 10:54:00 | Flight Number ACMS                     |      |      | 5806                                       |
| 2021-06-27 10:54:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-27 10:54:00 | Fuel Flow                              | 1252 | 1246 |                                            |
| 2021-06-27 10:54:00 | Ground Speed                           |      |      | 446.9                                      |
| 2021-06-27 10:54:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-27 10:54:00 | Leg                                    |      |      | 1                                          |
| 2021-06-27 10:54:00 | Mach Number                            |      |      | 0.733                                      |
| 2021-06-27 10:54:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-27 10:54:00 | N1 Indicated Fan Speed                 | 86.1 | 86   |                                            |
| 2021-06-27 10:54:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-27 10:54:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-06-27 10:54:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-27 10:54:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-27 10:54:00 | Temperature Static Air                 |      |      | -25.5                                      |
| 2021-06-27 10:54:00 | Throttle Lever Angle                   | 61.5 | 61.5 |                                            |
| 2021-06-27 10:54:00 | Time GE Received                       |      |      | 11:40:16                                   |
| 2021-06-27 10:54:00 | Time Of Report                         |      |      | 10:54:00                                   |
| 2021-06-27 10:54:00 | Total Air Temperature Aircraft         |      |      | 1.3                                        |
| 2021-06-27 10:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-27 10:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-27 10:54:00 | Vibration N1 #1 Bearing                | 0.03 | 0.08 |                                            |
| 2021-06-27 10:54:00 | Vibration N1 Phase Angle #1 Bearing    | 56   | 34   |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-27 10:54:00 | Vibration N1 Phase Angle Turbine Frame | 110  | 62   |                                            |
| 2021-06-27 10:54:00 | Vibration N1 Turbine Frame             | 0.19 | 0.25 |                                            |
| 2021-06-27 10:54:00 | Vibration N2 #1 Bearing                | 0.03 | 0.14 |                                            |
| 2021-06-27 10:54:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-06-27 05:04:00 | (1)                                    |      | 63.6 | 21                                         |
| 2021-06-27 05:04:00 | (1)                                    |      |      | 805                                        |
| 2021-06-27 05:04:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-27 05:04:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-27 05:04:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-27 05:04:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-27 05:04:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-27 05:04:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-27 05:04:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-27 05:04:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-27 05:04:00 | Air Speed Indicated                    |      |      | 260.6                                      |
| 2021-06-27 05:04:00 | Aircraft Gross Weight                  |      |      | 65934                                      |
| 2021-06-27 05:04:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-27 05:04:00 | Altitude                               |      |      | 35103                                      |
| 2021-06-27 05:04:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-27 05:04:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-27 05:04:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-27 05:04:00 | Core Speed                             | 94.6 | 94.4 |                                            |
| 2021-06-27 05:04:00 | Date GE Received                       |      |      | 06/27/2021                                 |
| 2021-06-27 05:04:00 | Date of Report                         |      |      | 06/27/2021                                 |
| 2021-06-27 05:04:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-27 05:04:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-27 05:04:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-06-27 05:04:00 | EGT Exhaust Gas Temperature            | 685  | 690  |                                            |
| 2021-06-27 05:04:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-27 05:04:00 | Flight Counter                         |      |      | 3105                                       |
| 2021-06-27 05:04:00 | Flight Number ACARS                    |      |      | 5805                                       |
| 2021-06-27 05:04:00 | Flight Number ACMS                     |      |      | 5805                                       |
| 2021-06-27 05:04:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-27 05:04:00 | Fuel Flow                              | 1247 | 1232 |                                            |
| 2021-06-27 05:04:00 | Ground Speed                           |      |      | 448.9                                      |
| 2021-06-27 05:04:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-27 05:04:00 | Leg                                    |      |      | 1                                          |
| 2021-06-27 05:04:00 | Mach Number                            |      |      | 0.771                                      |
| 2021-06-27 05:04:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-27 05:04:00 | N1 Indicated Fan Speed                 | 89.9 | 89.9 |                                            |
| 2021-06-27 05:04:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-06-27 05:04:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-27 05:04:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-27 05:04:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-27 05:04:00 | Temperature Static Air                 |      |      | -37                                        |
| 2021-06-27 05:04:00 | Throttle Lever Angle                   | 63.5 | 63.6 |                                            |
| 2021-06-27 05:04:00 | Time GE Received                       |      |      | 07:26:19                                   |
| 2021-06-27 05:04:00 | Time Of Report                         |      |      | 05:04:00                                   |
| 2021-06-27 05:04:00 | Total Air Temperature Aircraft         |      |      | -9                                         |
| 2021-06-27 05:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-27 05:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-27 05:04:00 | Vibration N1 #1 Bearing                | 0.34 | 0.09 |                                            |
| 2021-06-27 05:04:00 | Vibration N1 Phase Angle #1 Bearing    | 103  | 112  |                                            |
| 2021-06-27 05:04:00 | Vibration N1 Phase Angle Turbine Frame | 103  | 69   |                                            |
| 2021-06-27 05:04:00 | Vibration N1 Turbine Frame             | 0.32 | 0.27 |                                            |
| 2021-06-27 05:04:00 | Vibration N2 #1 Bearing                | 0.03 | 0.12 |                                            |
| 2021-06-27 05:04:00 | Vibration N2 Turbine Frame             | 0.08 | 0.07 |                                            |
| 2021-06-26 08:48:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-06-26 08:48:00 | (1)                                    |      |      | 736                                        |
| 2021-06-26 08:48:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-26 08:48:00 | A/I valve position Wing                |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-26 08:48:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-26 08:48:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-26 08:48:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-26 08:48:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-26 08:48:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-26 08:48:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-26 08:48:00 | Air Speed Indicated                    |      |      | 280.8                                      |
| 2021-06-26 08:48:00 | Aircraft Gross Weight                  |      |      | 63793                                      |
| 2021-06-26 08:48:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-26 08:48:00 | Altitude                               |      |      | 30100                                      |
| 2021-06-26 08:48:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-26 08:48:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-26 08:48:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-26 08:48:00 | Core Speed                             | 94.5 | 94.4 |                                            |
| 2021-06-26 08:48:00 | Date GE Received                       |      |      | 06/26/2021                                 |
| 2021-06-26 08:48:00 | Date of Report                         |      |      | 06/26/2021                                 |
| 2021-06-26 08:48:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-06-26 08:48:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-26 08:48:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-26 08:48:00 | EGT Exhaust Gas Temperature            | 657  | 656  |                                            |
| 2021-06-26 08:48:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-26 08:48:00 | Flight Counter                         |      |      | 4046                                       |
| 2021-06-26 08:48:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-06-26 08:48:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-06-26 08:48:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-26 08:48:00 | Fuel Flow                              | 1299 | 1282 |                                            |
| 2021-06-26 08:48:00 | Ground Speed                           |      |      | 467.4                                      |
| 2021-06-26 08:48:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-26 08:48:00 | Leg                                    |      |      | 1                                          |
| 2021-06-26 08:48:00 | Mach Number                            |      |      | 0.746                                      |
| 2021-06-26 08:48:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-26 08:48:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-06-26 08:48:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-26 08:48:00 | Oil Temperature                        | 114  | 114  |                                            |
| 2021-06-26 08:48:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-26 08:48:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-26 08:48:00 | Temperature Static Air                 |      |      | -27                                        |
| 2021-06-26 08:48:00 | Throttle Lever Angle                   | 61.9 | 61.9 |                                            |
| 2021-06-26 08:48:00 | Time GE Received                       |      |      | 10:02:09                                   |
| 2021-06-26 08:48:00 | Time Of Report                         |      |      | 08:48:00                                   |
| 2021-06-26 08:48:00 | Total Air Temperature Aircraft         |      |      | 0.5                                        |
| 2021-06-26 08:48:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-26 08:48:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-26 08:48:00 | Vibration N1 #1 Bearing                | 0.1  | 0.15 |                                            |
| 2021-06-26 08:48:00 | Vibration N1 Phase Angle #1 Bearing    | 109  | 60   |                                            |
| 2021-06-26 08:48:00 | Vibration N1 Phase Angle Turbine Frame | 133  | 75   |                                            |
| 2021-06-26 08:48:00 | Vibration N1 Turbine Frame             | 0.32 | 0.35 |                                            |
| 2021-06-26 08:48:00 | Vibration N2 #1 Bearing                | 0.06 | 0.18 |                                            |
| 2021-06-26 08:48:00 | Vibration N2 Turbine Frame             | 0.1  | 0.06 |                                            |
| 2021-06-26 05:36:00 | (1)                                    |      | 63   | 21                                         |
| 2021-06-26 05:36:00 | (1)                                    |      |      | 735                                        |
| 2021-06-26 05:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-26 05:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-26 05:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-26 05:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-26 05:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-26 05:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-26 05:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-26 05:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-26 05:36:00 | Air Speed Indicated                    |      |      | 261.4                                      |
| 2021-06-26 05:36:00 | Aircraft Gross Weight                  |      |      | 65589                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-26 05:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-26 05:36:00 | Altitude                               |      |      | 35102                                      |
| 2021-06-26 05:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-26 05:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-26 05:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-26 05:36:00 | Core Speed                             | 94.3 | 94   |                                            |
| 2021-06-26 05:36:00 | Date GE Received                       |      |      | 06/26/2021                                 |
| 2021-06-26 05:36:00 | Date of Report                         |      |      | 06/26/2021                                 |
| 2021-06-26 05:36:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-26 05:36:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-06-26 05:36:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-06-26 05:36:00 | EGT Exhaust Gas Temperature            | 679  | 682  |                                            |
| 2021-06-26 05:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-26 05:36:00 | Flight Counter                         |      |      | 1172                                       |
| 2021-06-26 05:36:00 | Flight Number ACARS                    |      |      | 5735                                       |
| 2021-06-26 05:36:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-06-26 05:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-26 05:36:00 | Fuel Flow                              | 1243 | 1229 |                                            |
| 2021-06-26 05:36:00 | Ground Speed                           |      |      | 440.7                                      |
| 2021-06-26 05:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-26 05:36:00 | Leg                                    |      |      | 1                                          |
| 2021-06-26 05:36:00 | Mach Number                            |      |      | 0.774                                      |
| 2021-06-26 05:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-26 05:36:00 | N1 Indicated Fan Speed                 | 89.4 | 89.5 |                                            |
| 2021-06-26 05:36:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-26 05:36:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-06-26 05:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-26 05:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-26 05:36:00 | Temperature Static Air                 |      |      | -39.5                                      |
| 2021-06-26 05:36:00 | Throttle Lever Angle                   | 63   | 63   |                                            |
| 2021-06-26 05:36:00 | Time GE Received                       |      |      | 06:24:37                                   |
| 2021-06-26 05:36:00 | Time Of Report                         |      |      | 05:36:00                                   |
| 2021-06-26 05:36:00 | Total Air Temperature Aircraft         |      |      | -11.5                                      |
| 2021-06-26 05:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-26 05:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-26 05:36:00 | Vibration N1 #1 Bearing                | 0.25 | 0.12 |                                            |
| 2021-06-26 05:36:00 | Vibration N1 Phase Angle #1 Bearing    | 98   | 69   |                                            |
| 2021-06-26 05:36:00 | Vibration N1 Phase Angle Turbine Frame | 116  | 79   |                                            |
| 2021-06-26 05:36:00 | Vibration N1 Turbine Frame             | 0.3  | 0.32 |                                            |
| 2021-06-26 05:36:00 | Vibration N2 #1 Bearing                | 0.01 | 0.13 |                                            |
| 2021-06-26 05:36:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-06-26 01:06:00 | (1)                                    |      | 59.4 | 21                                         |
| 2021-06-26 01:06:00 | (1)                                    |      |      | 827                                        |
| 2021-06-26 01:06:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-26 01:06:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-26 01:06:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-26 01:06:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-26 01:06:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-26 01:06:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-26 01:06:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-26 01:06:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-26 01:06:00 | Air Speed Indicated                    |      |      | 290.3                                      |
| 2021-06-26 01:06:00 | Aircraft Gross Weight                  |      |      | 64210                                      |
| 2021-06-26 01:06:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-26 01:06:00 | Altitude                               |      |      | 21703                                      |
| 2021-06-26 01:06:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-26 01:06:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-26 01:06:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-26 01:06:00 | Core Speed                             | 93.6 | 93.5 |                                            |
| 2021-06-26 01:06:00 | Date GE Received                       |      |      | 06/26/2021                                 |
| 2021-06-26 01:06:00 | Date of Report                         |      |      | 06/26/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-26 01:06:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-06-26 01:06:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-26 01:06:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-26 01:06:00 | EGT Exhaust Gas Temperature            | 629  | 631  |                                            |
| 2021-06-26 01:06:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-26 01:06:00 | Flight Counter                         |      |      | 1206                                       |
| 2021-06-26 01:06:00 | Flight Number ACARS                    |      |      | 5827                                       |
| 2021-06-26 01:06:00 | Flight Number ACMS                     |      |      | 5827                                       |
| 2021-06-26 01:06:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-26 01:06:00 | Fuel Flow                              | 1351 | 1340 |                                            |
| 2021-06-26 01:06:00 | Ground Speed                           |      |      | 410.7                                      |
| 2021-06-26 01:06:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-26 01:06:00 | Leg                                    |      |      | 1                                          |
| 2021-06-26 01:06:00 | Mach Number                            |      |      | 0.652                                      |
| 2021-06-26 01:06:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-26 01:06:00 | N1 Indicated Fan Speed                 | 81.4 | 81.4 |                                            |
| 2021-06-26 01:06:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-06-26 01:06:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-06-26 01:06:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-26 01:06:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-26 01:06:00 | Temperature Static Air                 |      |      | -6.8                                       |
| 2021-06-26 01:06:00 | Throttle Lever Angle                   | 59.4 | 59.4 |                                            |
| 2021-06-26 01:06:00 | Time GE Received                       |      |      | 02:08:00                                   |
| 2021-06-26 01:06:00 | Time Of Report                         |      |      | 01:06:00                                   |
| 2021-06-26 01:06:00 | Total Air Temperature Aircraft         |      |      | 15.8                                       |
| 2021-06-26 01:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-26 01:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-26 01:06:00 | Vibration N1 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-06-26 01:06:00 | Vibration N1 Phase Angle #1 Bearing    | 203  | 31   |                                            |
| 2021-06-26 01:06:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 49   |                                            |
| 2021-06-26 01:06:00 | Vibration N1 Turbine Frame             | 0.06 | 0.21 |                                            |
| 2021-06-26 01:06:00 | Vibration N2 #1 Bearing                | 0.01 | 0.13 |                                            |
| 2021-06-26 01:06:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-06-25 13:50:00 | (1)                                    |      | 59.2 | 21                                         |
| 2021-06-25 13:50:00 | (1)                                    |      |      | 828                                        |
| 2021-06-25 13:50:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-25 13:50:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-25 13:50:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-25 13:50:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-25 13:50:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-25 13:50:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-25 13:50:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-25 13:50:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-25 13:50:00 | Air Speed Indicated                    |      |      | 278.6                                      |
| 2021-06-25 13:50:00 | Aircraft Gross Weight                  |      |      | 63847                                      |
| 2021-06-25 13:50:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-25 13:50:00 | Altitude                               |      |      | 22600                                      |
| 2021-06-25 13:50:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-25 13:50:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-25 13:50:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-25 13:50:00 | Core Speed                             | 93.5 | 93.5 |                                            |
| 2021-06-25 13:50:00 | Date GE Received                       |      |      | 06/25/2021                                 |
| 2021-06-25 13:50:00 | Date of Report                         |      |      | 06/25/2021                                 |
| 2021-06-25 13:50:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-25 13:50:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-06-25 13:50:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-06-25 13:50:00 | EGT Exhaust Gas Temperature            | 628  | 631  |                                            |
| 2021-06-25 13:50:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-25 13:50:00 | Flight Counter                         |      |      | 458                                        |
| 2021-06-25 13:50:00 | Flight Number ACARS                    |      |      | 5828                                       |
| 2021-06-25 13:50:00 | Flight Number ACMS                     |      |      | 5828                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-25 13:50:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-25 13:50:00 | Fuel Flow                              | 1295 | 1286 |                                            |
| 2021-06-25 13:50:00 | Ground Speed                           |      |      | 401.6                                      |
| 2021-06-25 13:50:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-25 13:50:00 | Leg                                    |      |      | 1                                          |
| 2021-06-25 13:50:00 | Mach Number                            |      |      | 0.638                                      |
| 2021-06-25 13:50:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-25 13:50:00 | N1 Indicated Fan Speed                 | 81.3 | 81.3 |                                            |
| 2021-06-25 13:50:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-25 13:50:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-06-25 13:50:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-25 13:50:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-25 13:50:00 | Temperature Static Air                 |      |      | -7.8                                       |
| 2021-06-25 13:50:00 | Throttle Lever Angle                   | 59.2 | 59.2 |                                            |
| 2021-06-25 13:50:00 | Time GE Received                       |      |      | 14:59:42                                   |
| 2021-06-25 13:50:00 | Time Of Report                         |      |      | 13:50:00                                   |
| 2021-06-25 13:50:00 | Total Air Temperature Aircraft         |      |      | 14                                         |
| 2021-06-25 13:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 13:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 13:50:00 | Vibration N1 #1 Bearing                | 0.06 | 0.09 |                                            |
| 2021-06-25 13:50:00 | Vibration N1 Phase Angle #1 Bearing    | 209  | 30   |                                            |
| 2021-06-25 13:50:00 | Vibration N1 Phase Angle Turbine Frame | 92   | 46   |                                            |
| 2021-06-25 13:50:00 | Vibration N1 Turbine Frame             | 0.14 | 0.22 |                                            |
| 2021-06-25 13:50:00 | Vibration N2 #1 Bearing                | 0.02 | 0.12 |                                            |
| 2021-06-25 13:50:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-06-25 09:54:00 | (1)                                    |      | 63.4 | 21                                         |
| 2021-06-25 09:54:00 | (1)                                    |      |      | 810                                        |
| 2021-06-25 09:54:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-25 09:54:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-25 09:54:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-25 09:54:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-25 09:54:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-25 09:54:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-25 09:54:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-25 09:54:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-25 09:54:00 | Air Speed Indicated                    |      |      | 287.1                                      |
| 2021-06-25 09:54:00 | Aircraft Gross Weight                  |      |      | 69327                                      |
| 2021-06-25 09:54:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-25 09:54:00 | Altitude                               |      |      | 30100                                      |
| 2021-06-25 09:54:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-25 09:54:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-25 09:54:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-25 09:54:00 | Core Speed                             | 95.5 | 95.3 |                                            |
| 2021-06-25 09:54:00 | Date GE Received                       |      |      | 06/25/2021                                 |
| 2021-06-25 09:54:00 | Date of Report                         |      |      | 06/25/2021                                 |
| 2021-06-25 09:54:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-25 09:54:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-25 09:54:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-25 09:54:00 | EGT Exhaust Gas Temperature            | 676  | 677  |                                            |
| 2021-06-25 09:54:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-25 09:54:00 | Flight Counter                         |      |      | 1023                                       |
| 2021-06-25 09:54:00 | Flight Number ACARS                    |      |      | 5810                                       |
| 2021-06-25 09:54:00 | Flight Number ACMS                     |      |      | 5810                                       |
| 2021-06-25 09:54:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-25 09:54:00 | Fuel Flow                              | 1412 | 1384 |                                            |
| 2021-06-25 09:54:00 | Ground Speed                           |      |      | 453.1                                      |
| 2021-06-25 09:54:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-25 09:54:00 | Leg                                    |      |      | 1                                          |
| 2021-06-25 09:54:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-06-25 09:54:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-25 09:54:00 | N1 Indicated Fan Speed                 | 88.9 | 88.8 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-25 09:54:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-25 09:54:00 | Oil Temperature                        | 109  | 110  |                                            |
| 2021-06-25 09:54:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-25 09:54:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-25 09:54:00 | Temperature Static Air                 |      |      | -26.7                                      |
| 2021-06-25 09:54:00 | Throttle Lever Angle                   | 63.5 | 63.4 |                                            |
| 2021-06-25 09:54:00 | Time GE Received                       |      |      | 11:55:55                                   |
| 2021-06-25 09:54:00 | Time Of Report                         |      |      | 09:54:00                                   |
| 2021-06-25 09:54:00 | Total Air Temperature Aircraft         |      |      | 1.8                                        |
| 2021-06-25 09:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 09:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 09:54:00 | Vibration N1 #1 Bearing                | 0.33 | 0.27 |                                            |
| 2021-06-25 09:54:00 | Vibration N1 Phase Angle #1 Bearing    | 91   | 66   |                                            |
| 2021-06-25 09:54:00 | Vibration N1 Phase Angle Turbine Frame | 114  | 87   |                                            |
| 2021-06-25 09:54:00 | Vibration N1 Turbine Frame             | 0.39 | 0.39 |                                            |
| 2021-06-25 09:54:00 | Vibration N2 #1 Bearing                | 0.08 | 0.24 |                                            |
| 2021-06-25 09:54:00 | Vibration N2 Turbine Frame             | 0.1  | 0.03 |                                            |
| 2021-06-25 05:42:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-06-25 05:42:00 | (1)                                    |      |      | 605                                        |
| 2021-06-25 05:42:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-25 05:42:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-25 05:42:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-25 05:42:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-25 05:42:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-25 05:42:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-25 05:42:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-25 05:42:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-25 05:42:00 | Air Speed Indicated                    |      |      | 259.9                                      |
| 2021-06-25 05:42:00 | Aircraft Gross Weight                  |      |      | 62142                                      |
| 2021-06-25 05:42:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-25 05:42:00 | Altitude                               |      |      | 35100                                      |
| 2021-06-25 05:42:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-25 05:42:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-25 05:42:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-25 05:42:00 | Core Speed                             | 93.8 | 93.4 |                                            |
| 2021-06-25 05:42:00 | Date GE Received                       |      |      | 06/25/2021                                 |
| 2021-06-25 05:42:00 | Date of Report                         |      |      | 06/25/2021                                 |
| 2021-06-25 05:42:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-25 05:42:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-25 05:42:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-06-25 05:42:00 | EGT Exhaust Gas Temperature            | 667  | 671  |                                            |
| 2021-06-25 05:42:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-25 05:42:00 | Flight Counter                         |      |      | 1334                                       |
| 2021-06-25 05:42:00 | Flight Number ACARS                    |      |      | 7605                                       |
| 2021-06-25 05:42:00 | Flight Number ACMS                     |      |      | 7605                                       |
| 2021-06-25 05:42:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-25 05:42:00 | Fuel Flow                              | 1171 | 1163 |                                            |
| 2021-06-25 05:42:00 | Ground Speed                           |      |      | 454.9                                      |
| 2021-06-25 05:42:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-25 05:42:00 | Leg                                    |      |      | 1                                          |
| 2021-06-25 05:42:00 | Mach Number                            |      |      | 0.77                                       |
| 2021-06-25 05:42:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-25 05:42:00 | N1 Indicated Fan Speed                 | 88.2 | 88.2 |                                            |
| 2021-06-25 05:42:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-25 05:42:00 | Oil Temperature                        | 113  | 113  |                                            |
| 2021-06-25 05:42:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-25 05:42:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-25 05:42:00 | Temperature Static Air                 |      |      | -38                                        |
| 2021-06-25 05:42:00 | Throttle Lever Angle                   | 62.3 | 62.3 |                                            |
| 2021-06-25 05:42:00 | Time GE Received                       |      |      | 07:33:45                                   |
| 2021-06-25 05:42:00 | Time Of Report                         |      |      | 05:42:00                                   |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-25 05:42:00 | Total Air Temperature Aircraft         |      |      | -10                                        |
| 2021-06-25 05:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 05:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 05:42:00 | Vibration N1 #1 Bearing                | 0.21 | 0.08 |                                            |
| 2021-06-25 05:42:00 | Vibration N1 Phase Angle #1 Bearing    | 95   | 56   |                                            |
| 2021-06-25 05:42:00 | Vibration N1 Phase Angle Turbine Frame | 128  | 72   |                                            |
| 2021-06-25 05:42:00 | Vibration N1 Turbine Frame             | 0.29 | 0.28 |                                            |
| 2021-06-25 05:42:00 | Vibration N2 #1 Bearing                | 0.03 | 0.07 |                                            |
| 2021-06-25 05:42:00 | Vibration N2 Turbine Frame             | 0.07 | 0.06 |                                            |
| 2021-06-25 01:10:00 | (1)                                    |      | 60   | 21                                         |
| 2021-06-25 01:10:00 | (1)                                    |      |      | 827                                        |
| 2021-06-25 01:10:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-25 01:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-25 01:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-25 01:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-25 01:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-25 01:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-25 01:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-25 01:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-25 01:10:00 | Air Speed Indicated                    |      |      | 294.8                                      |
| 2021-06-25 01:10:00 | Aircraft Gross Weight                  |      |      | 62287                                      |
| 2021-06-25 01:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-25 01:10:00 | Altitude                               |      |      | 21699                                      |
| 2021-06-25 01:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-25 01:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-25 01:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-25 01:10:00 | Core Speed                             | 93.8 | 93.7 |                                            |
| 2021-06-25 01:10:00 | Date GE Received                       |      |      | 06/25/2021                                 |
| 2021-06-25 01:10:00 | Date of Report                         |      |      | 06/25/2021                                 |
| 2021-06-25 01:10:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-06-25 01:10:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-25 01:10:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-25 01:10:00 | EGT Exhaust Gas Temperature            | 636  | 637  |                                            |
| 2021-06-25 01:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-25 01:10:00 | Flight Counter                         |      |      | 1352                                       |
| 2021-06-25 01:10:00 | Flight Number ACARS                    |      |      | 5827                                       |
| 2021-06-25 01:10:00 | Flight Number ACMS                     |      |      | 5827                                       |
| 2021-06-25 01:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-25 01:10:00 | Fuel Flow                              | 1405 | 1386 |                                            |
| 2021-06-25 01:10:00 | Ground Speed                           |      |      | 415.7                                      |
| 2021-06-25 01:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-25 01:10:00 | Leg                                    |      |      | 1                                          |
| 2021-06-25 01:10:00 | Mach Number                            |      |      | 0.662                                      |
| 2021-06-25 01:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-25 01:10:00 | N1 Indicated Fan Speed                 | 82.3 | 82.2 |                                            |
| 2021-06-25 01:10:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-06-25 01:10:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-06-25 01:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-25 01:10:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-25 01:10:00 | Temperature Static Air                 |      |      | -7.3                                       |
| 2021-06-25 01:10:00 | Throttle Lever Angle                   | 60   | 60   |                                            |
| 2021-06-25 01:10:00 | Time GE Received                       |      |      | 02:17:52                                   |
| 2021-06-25 01:10:00 | Time Of Report                         |      |      | 01:10:00                                   |
| 2021-06-25 01:10:00 | Total Air Temperature Aircraft         |      |      | 16                                         |
| 2021-06-25 01:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 01:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-25 01:10:00 | Vibration N1 #1 Bearing                | 0.09 | 0.08 |                                            |
| 2021-06-25 01:10:00 | Vibration N1 Phase Angle #1 Bearing    | 131  | 41   |                                            |
| 2021-06-25 01:10:00 | Vibration N1 Phase Angle Turbine Frame | 125  | 51   |                                            |
| 2021-06-25 01:10:00 | Vibration N1 Turbine Frame             | 0.24 | 0.2  |                                            |
| 2021-06-25 01:10:00 | Vibration N2 #1 Bearing                | 0.05 | 0.17 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-25 01:10:00 | Vibration N2 Turbine Frame             | 0.1  | 0.1  |                                            |
| 2021-06-24 14:15:00 | (1)                                    |      | 61.1 | 21                                         |
| 2021-06-24 14:15:00 | (1)                                    |      |      | 828                                        |
| 2021-06-24 14:15:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-24 14:15:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-24 14:15:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-24 14:15:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-24 14:15:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-24 14:15:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-24 14:15:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-24 14:15:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-24 14:15:00 | Air Speed Indicated                    |      |      | 284.2                                      |
| 2021-06-24 14:15:00 | Aircraft Gross Weight                  |      |      | 63176                                      |
| 2021-06-24 14:15:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-24 14:15:00 | Altitude                               |      |      | 26598                                      |
| 2021-06-24 14:15:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-24 14:15:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-24 14:15:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-24 14:15:00 | Core Speed                             | 94.5 | 94.3 |                                            |
| 2021-06-24 14:15:00 | Date GE Received                       |      |      | 06/24/2021                                 |
| 2021-06-24 14:15:00 | Date of Report                         |      |      | 06/24/2021                                 |
| 2021-06-24 14:15:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-24 14:15:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-06-24 14:15:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-06-24 14:15:00 | EGT Exhaust Gas Temperature            | 652  | 650  |                                            |
| 2021-06-24 14:15:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-24 14:15:00 | Flight Counter                         |      |      | 1290                                       |
| 2021-06-24 14:15:00 | Flight Number ACARS                    |      |      | 5828                                       |
| 2021-06-24 14:15:00 | Flight Number ACMS                     |      |      | 5828                                       |
| 2021-06-24 14:15:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-24 14:15:00 | Fuel Flow                              | 1319 | 1301 |                                            |
| 2021-06-24 14:15:00 | Ground Speed                           |      |      | 441.9                                      |
| 2021-06-24 14:15:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-24 14:15:00 | Leg                                    |      |      | 1                                          |
| 2021-06-24 14:15:00 | Mach Number                            |      |      | 0.703                                      |
| 2021-06-24 14:15:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-24 14:15:00 | N1 Indicated Fan Speed                 | 84.9 | 84.8 |                                            |
| 2021-06-24 14:15:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-24 14:15:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-06-24 14:15:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-24 14:15:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-24 14:15:00 | Temperature Static Air                 |      |      | -16.5                                      |
| 2021-06-24 14:15:00 | Throttle Lever Angle                   | 61.2 | 61.1 |                                            |
| 2021-06-24 14:15:00 | Time GE Received                       |      |      | 15:14:55                                   |
| 2021-06-24 14:15:00 | Time Of Report                         |      |      | 14:15:00                                   |
| 2021-06-24 14:15:00 | Total Air Temperature Aircraft         |      |      | 9                                          |
| 2021-06-24 14:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-24 14:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-24 14:15:00 | Vibration N1 #1 Bearing                | 0.03 | 0.11 |                                            |
| 2021-06-24 14:15:00 | Vibration N1 Phase Angle #1 Bearing    | 157  | 56   |                                            |
| 2021-06-24 14:15:00 | Vibration N1 Phase Angle Turbine Frame | 136  | 64   |                                            |
| 2021-06-24 14:15:00 | Vibration N1 Turbine Frame             | 0.19 | 0.26 |                                            |
| 2021-06-24 14:15:00 | Vibration N2 #1 Bearing                | 0.05 | 0.21 |                                            |
| 2021-06-24 14:15:00 | Vibration N2 Turbine Frame             | 0.09 | 0.09 |                                            |
| 2021-06-24 10:13:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-06-24 10:13:00 | (1)                                    |      |      | 810                                        |
| 2021-06-24 10:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-24 10:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-24 10:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-24 10:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-24 10:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-24 10:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-24 10:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-24 10:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-24 10:13:00 | Air Speed Indicated                    |      |      | 288.3                                      |
| 2021-06-24 10:13:00 | Aircraft Gross Weight                  |      |      | 69327                                      |
| 2021-06-24 10:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-24 10:13:00 | Altitude                               |      |      | 30101                                      |
| 2021-06-24 10:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-24 10:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-24 10:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-24 10:13:00 | Core Speed                             | 94.9 | 94.8 |                                            |
| 2021-06-24 10:13:00 | Date GE Received                       |      |      | 06/24/2021                                 |
| 2021-06-24 10:13:00 | Date of Report                         |      |      | 06/24/2021                                 |
| 2021-06-24 10:13:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-24 10:13:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-24 10:13:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-24 10:13:00 | EGT Exhaust Gas Temperature            | 671  | 667  |                                            |
| 2021-06-24 10:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-24 10:13:00 | Flight Counter                         |      |      | 1759                                       |
| 2021-06-24 10:13:00 | Flight Number ACARS                    |      |      | 5810                                       |
| 2021-06-24 10:13:00 | Flight Number ACMS                     |      |      | 5810                                       |
| 2021-06-24 10:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-24 10:13:00 | Fuel Flow                              | 1387 | 1358 |                                            |
| 2021-06-24 10:13:00 | Ground Speed                           |      |      | 451.6                                      |
| 2021-06-24 10:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-24 10:13:00 | Leg                                    |      |      | 1                                          |
| 2021-06-24 10:13:00 | Mach Number                            |      |      | 0.764                                      |
| 2021-06-24 10:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-24 10:13:00 | N1 Indicated Fan Speed                 | 88.2 | 88.2 |                                            |
| 2021-06-24 10:13:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-24 10:13:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-06-24 10:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-24 10:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-24 10:13:00 | Temperature Static Air                 |      |      | -28.5                                      |
| 2021-06-24 10:13:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-06-24 10:13:00 | Time GE Received                       |      |      | 12:05:54                                   |
| 2021-06-24 10:13:00 | Time Of Report                         |      |      | 10:13:00                                   |
| 2021-06-24 10:13:00 | Total Air Temperature Aircraft         |      |      | 0                                          |
| 2021-06-24 10:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-24 10:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-24 10:13:00 | Vibration N1 #1 Bearing                | 0.3  | 0.23 |                                            |
| 2021-06-24 10:13:00 | Vibration N1 Phase Angle #1 Bearing    | 88   | 65   |                                            |
| 2021-06-24 10:13:00 | Vibration N1 Phase Angle Turbine Frame | 126  | 88   |                                            |
| 2021-06-24 10:13:00 | Vibration N1 Turbine Frame             | 0.35 | 0.38 |                                            |
| 2021-06-24 10:13:00 | Vibration N2 #1 Bearing                | 0.05 | 0.22 |                                            |
| 2021-06-24 10:13:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-06-24 05:44:00 | (1)                                    |      |      | 62.4                                       |
| 2021-06-24 05:44:00 | (1)                                    |      |      | 21                                         |
| 2021-06-24 05:44:00 | A/I Valve Position Nacelle             | 0    | 0    | 605                                        |
| 2021-06-24 05:44:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-24 05:44:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-24 05:44:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-24 05:44:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-24 05:44:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-24 05:44:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-24 05:44:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-24 05:44:00 | Air Speed Indicated                    |      |      | 254.7                                      |
| 2021-06-24 05:44:00 | Aircraft Gross Weight                  |      |      | 62976                                      |
| 2021-06-24 05:44:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-24 05:44:00 | Altitude                               |      |      | 35098                                      |
| 2021-06-24 05:44:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-24 05:44:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-24 05:44:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-24 05:44:00 | Core Speed                             | 93.8 | 93.4 |                                            |
| 2021-06-24 05:44:00 | Date GE Received                       |      |      | 06/24/2021                                 |
| 2021-06-24 05:44:00 | Date of Report                         |      |      | 06/24/2021                                 |
| 2021-06-24 05:44:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-24 05:44:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-24 05:44:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-06-24 05:44:00 | EGT Exhaust Gas Temperature            | 669  | 672  |                                            |
| 2021-06-24 05:44:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-24 05:44:00 | Flight Counter                         |      |      | 1824                                       |
| 2021-06-24 05:44:00 | Flight Number ACARS                    |      |      | 7605                                       |
| 2021-06-24 05:44:00 | Flight Number ACMS                     |      |      | 7605                                       |
| 2021-06-24 05:44:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-24 05:44:00 | Fuel Flow                              | 1176 | 1160 |                                            |
| 2021-06-24 05:44:00 | Ground Speed                           |      |      | 442.8                                      |
| 2021-06-24 05:44:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-24 05:44:00 | Leg                                    |      |      | 1                                          |
| 2021-06-24 05:44:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-06-24 05:44:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-24 05:44:00 | N1 Indicated Fan Speed                 | 88.4 | 88.4 |                                            |
| 2021-06-24 05:44:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-24 05:44:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-06-24 05:44:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-24 05:44:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-24 05:44:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-06-24 05:44:00 | Throttle Lever Angle                   | 62.4 | 62.4 |                                            |
| 2021-06-24 05:44:00 | Time GE Received                       |      |      | 07:33:53                                   |
| 2021-06-24 05:44:00 | Time Of Report                         |      |      | 05:44:00                                   |
| 2021-06-24 05:44:00 | Total Air Temperature Aircraft         |      |      | -11.8                                      |
| 2021-06-24 05:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-24 05:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-24 05:44:00 | Vibration N1 #1 Bearing                | 0.21 | 0.07 |                                            |
| 2021-06-24 05:44:00 | Vibration N1 Phase Angle #1 Bearing    | 107  | 50   |                                            |
| 2021-06-24 05:44:00 | Vibration N1 Phase Angle Turbine Frame | 131  | 70   |                                            |
| 2021-06-24 05:44:00 | Vibration N1 Turbine Frame             | 0.34 | 0.29 |                                            |
| 2021-06-24 05:44:00 | Vibration N2 #1 Bearing                | 0.02 | 0.12 |                                            |
| 2021-06-24 05:44:00 | Vibration N2 Turbine Frame             | 0.04 | 0.1  |                                            |
| 2021-06-23 13:56:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-06-23 13:56:00 | (1)                                    |      |      | 264                                        |
| 2021-06-23 13:56:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-23 13:56:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-23 13:56:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-23 13:56:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-23 13:56:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-23 13:56:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-23 13:56:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-23 13:56:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-23 13:56:00 | Air Speed Indicated                    |      |      | 264.9                                      |
| 2021-06-23 13:56:00 | Aircraft Gross Weight                  |      |      | 63629                                      |
| 2021-06-23 13:56:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-23 13:56:00 | Altitude                               |      |      | 34105                                      |
| 2021-06-23 13:56:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-23 13:56:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-23 13:56:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-23 13:56:00 | Core Speed                             | 94.4 | 94.2 |                                            |
| 2021-06-23 13:56:00 | Date GE Received                       |      |      | 06/23/2021                                 |
| 2021-06-23 13:56:00 | Date of Report                         |      |      | 06/23/2021                                 |
| 2021-06-23 13:56:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-06-23 13:56:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-23 13:56:00 | Downlink Ground Station                |      |      | KMG                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-23 13:56:00 | EGT Exhaust Gas Temperature            | 673  | 675  |                                            |
| 2021-06-23 13:56:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-23 13:56:00 | Flight Counter                         |      |      | 3936                                       |
| 2021-06-23 13:56:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-06-23 13:56:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-06-23 13:56:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-23 13:56:00 | Fuel Flow                              | 1220 | 1206 |                                            |
| 2021-06-23 13:56:00 | Ground Speed                           |      |      | 456.1                                      |
| 2021-06-23 13:56:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-23 13:56:00 | Leg                                    |      |      | 2                                          |
| 2021-06-23 13:56:00 | Mach Number                            |      |      | 0.767                                      |
| 2021-06-23 13:56:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-23 13:56:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-06-23 13:56:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-23 13:56:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-06-23 13:56:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-23 13:56:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-23 13:56:00 | Temperature Static Air                 |      |      | -35                                        |
| 2021-06-23 13:56:00 | Throttle Lever Angle                   | 62.7 | 62.6 |                                            |
| 2021-06-23 13:56:00 | Time GE Received                       |      |      | 14:57:53                                   |
| 2021-06-23 13:56:00 | Time Of Report                         |      |      | 13:56:00                                   |
| 2021-06-23 13:56:00 | Total Air Temperature Aircraft         |      |      | -7                                         |
| 2021-06-23 13:56:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-23 13:56:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-23 13:56:00 | Vibration N1 #1 Bearing                | 0.2  | 0.1  |                                            |
| 2021-06-23 13:56:00 | Vibration N1 Phase Angle #1 Bearing    | 96   | 53   |                                            |
| 2021-06-23 13:56:00 | Vibration N1 Phase Angle Turbine Frame | 133  | 72   |                                            |
| 2021-06-23 13:56:00 | Vibration N1 Turbine Frame             | 0.32 | 0.33 |                                            |
| 2021-06-23 13:56:00 | Vibration N2 #1 Bearing                | 0.02 | 0.19 |                                            |
| 2021-06-23 13:56:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-06-23 09:52:00 | (1)                                    |      | 61.6 | 21                                         |
| 2021-06-23 09:52:00 | (1)                                    |      |      | 264                                        |
| 2021-06-23 09:52:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-23 09:52:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-23 09:52:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-23 09:52:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-23 09:52:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-23 09:52:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-23 09:52:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-23 09:52:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-23 09:52:00 | Air Speed Indicated                    |      |      | 250.2                                      |
| 2021-06-23 09:52:00 | Aircraft Gross Weight                  |      |      | 63067                                      |
| 2021-06-23 09:52:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-23 09:52:00 | Altitude                               |      |      | 36102                                      |
| 2021-06-23 09:52:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-23 09:52:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-23 09:52:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-23 09:52:00 | Core Speed                             | 91.8 | 91.5 |                                            |
| 2021-06-23 09:52:00 | Date GE Received                       |      |      | 06/23/2021                                 |
| 2021-06-23 09:52:00 | Date of Report                         |      |      | 06/23/2021                                 |
| 2021-06-23 09:52:00 | Departure Station                      |      |      | ZYT                                        |
| 2021-06-23 09:52:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-06-23 09:52:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-06-23 09:52:00 | EGT Exhaust Gas Temperature            | 639  | 639  |                                            |
| 2021-06-23 09:52:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-23 09:52:00 | Flight Counter                         |      |      | 270                                        |
| 2021-06-23 09:52:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-06-23 09:52:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-06-23 09:52:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-23 09:52:00 | Fuel Flow                              | 1137 | 1120 |                                            |
| 2021-06-23 09:52:00 | Ground Speed                           |      |      | 362.1                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-23 09:52:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-23 09:52:00 | Leg                                    |      |      | 1                                          |
| 2021-06-23 09:52:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-06-23 09:52:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-23 09:52:00 | N1 Indicated Fan Speed                 | 87.2 | 87.2 |                                            |
| 2021-06-23 09:52:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-23 09:52:00 | Oil Temperature                        | 103  | 102  |                                            |
| 2021-06-23 09:52:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-23 09:52:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-23 09:52:00 | Temperature Static Air                 |      |      | -50.8                                      |
| 2021-06-23 09:52:00 | Throttle Lever Angle                   | 61.6 | 61.6 |                                            |
| 2021-06-23 09:52:00 | Time GE Received                       |      |      | 11:28:42                                   |
| 2021-06-23 09:52:00 | Time Of Report                         |      |      | 09:52:00                                   |
| 2021-06-23 09:52:00 | Total Air Temperature Aircraft         |      |      | -25                                        |
| 2021-06-23 09:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-23 09:52:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-23 09:52:00 | Vibration N1 #1 Bearing                | 0.12 | 0.07 |                                            |
| 2021-06-23 09:52:00 | Vibration N1 Phase Angle #1 Bearing    | 138  | 50   |                                            |
| 2021-06-23 09:52:00 | Vibration N1 Phase Angle Turbine Frame | 124  | 54   |                                            |
| 2021-06-23 09:52:00 | Vibration N1 Turbine Frame             | 0.35 | 0.23 |                                            |
| 2021-06-23 09:52:00 | Vibration N2 #1 Bearing                | 0.02 | 0.06 |                                            |
| 2021-06-23 09:52:00 | Vibration N2 Turbine Frame             | 0.03 | 0.06 |                                            |
| 2021-06-23 06:08:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-06-23 06:08:00 | (1)                                    |      |      | 263                                        |
| 2021-06-23 06:08:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-23 06:08:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-23 06:08:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-23 06:08:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-23 06:08:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-23 06:08:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-23 06:08:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-23 06:08:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-23 06:08:00 | Air Speed Indicated                    |      |      | 262.3                                      |
| 2021-06-23 06:08:00 | Aircraft Gross Weight                  |      |      | 66895                                      |
| 2021-06-23 06:08:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-23 06:08:00 | Altitude                               |      |      | 33103                                      |
| 2021-06-23 06:08:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-23 06:08:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-23 06:08:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-23 06:08:00 | Core Speed                             | 94   | 93.6 |                                            |
| 2021-06-23 06:08:00 | Date GE Received                       |      |      | 06/23/2021                                 |
| 2021-06-23 06:08:00 | Date of Report                         |      |      | 06/23/2021                                 |
| 2021-06-23 06:08:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-06-23 06:08:00 | Destination Station                    |      |      | ZYT                                        |
| 2021-06-23 06:08:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-06-23 06:08:00 | EGT Exhaust Gas Temperature            | 663  | 666  |                                            |
| 2021-06-23 06:08:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-23 06:08:00 | Flight Counter                         |      |      | 1014                                       |
| 2021-06-23 06:08:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-06-23 06:08:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-06-23 06:08:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-23 06:08:00 | Fuel Flow                              | 1246 | 1236 |                                            |
| 2021-06-23 06:08:00 | Ground Speed                           |      |      | 472.9                                      |
| 2021-06-23 06:08:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-23 06:08:00 | Leg                                    |      |      | 2                                          |
| 2021-06-23 06:08:00 | Mach Number                            |      |      | 0.744                                      |
| 2021-06-23 06:08:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-23 06:08:00 | N1 Indicated Fan Speed                 | 88.1 | 88.1 |                                            |
| 2021-06-23 06:08:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-23 06:08:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-06-23 06:08:00 | Report Number ACMS                     |      |      | CRZ                                        |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-23 06:08:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-23 06:08:00 | Temperature Static Air                 |      |      | -36.3                                      |
| 2021-06-23 06:08:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-06-23 06:08:00 | Time GE Received                       |      |      | 07:24:39                                   |
| 2021-06-23 06:08:00 | Time Of Report                         |      |      | 06:08:00                                   |
| 2021-06-23 06:08:00 | Total Air Temperature Aircraft         |      |      | -10                                        |
| 2021-06-23 06:08:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-23 06:08:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-23 06:08:00 | Vibration N1 #1 Bearing                | 0.28 | 0.13 |                                            |
| 2021-06-23 06:08:00 | Vibration N1 Phase Angle #1 Bearing    | 108  | 59   |                                            |
| 2021-06-23 06:08:00 | Vibration N1 Phase Angle Turbine Frame | 136  | 64   |                                            |
| 2021-06-23 06:08:00 | Vibration N1 Turbine Frame             | 0.34 | 0.3  |                                            |
| 2021-06-23 06:08:00 | Vibration N2 #1 Bearing                | 0.02 | 0.1  |                                            |
| 2021-06-23 06:08:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-06-23 02:12:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-06-23 02:12:00 | (1)                                    |      |      | 263                                        |
| 2021-06-23 02:12:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-23 02:12:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-23 02:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-23 02:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-23 02:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-23 02:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-23 02:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-23 02:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-23 02:12:00 | Air Speed Indicated                    |      |      | 255.9                                      |
| 2021-06-23 02:12:00 | Aircraft Gross Weight                  |      |      | 66333                                      |
| 2021-06-23 02:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-23 02:12:00 | Altitude                               |      |      | 35100                                      |
| 2021-06-23 02:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-23 02:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-23 02:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-23 02:12:00 | Core Speed                             | 94   | 93.7 |                                            |
| 2021-06-23 02:12:00 | Date GE Received                       |      |      | 06/23/2021                                 |
| 2021-06-23 02:12:00 | Date of Report                         |      |      | 06/23/2021                                 |
| 2021-06-23 02:12:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-23 02:12:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-06-23 02:12:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-06-23 02:12:00 | EGT Exhaust Gas Temperature            | 671  | 676  |                                            |
| 2021-06-23 02:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-23 02:12:00 | Flight Counter                         |      |      | 1558                                       |
| 2021-06-23 02:12:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-06-23 02:12:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-06-23 02:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-23 02:12:00 | Fuel Flow                              | 1182 | 1171 |                                            |
| 2021-06-23 02:12:00 | Ground Speed                           |      |      | 446.1                                      |
| 2021-06-23 02:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-23 02:12:00 | Leg                                    |      |      | 1                                          |
| 2021-06-23 02:12:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-06-23 02:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-23 02:12:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-06-23 02:12:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-06-23 02:12:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-23 02:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-23 02:12:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-23 02:12:00 | Temperature Static Air                 |      |      | -38                                        |
| 2021-06-23 02:12:00 | Throttle Lever Angle                   | 62.6 | 62.5 |                                            |
| 2021-06-23 02:12:00 | Time GE Received                       |      |      | 03:19:18                                   |
| 2021-06-23 02:12:00 | Time Of Report                         |      |      | 02:12:00                                   |
| 2021-06-23 02:12:00 | Total Air Temperature Aircraft         |      |      | -11                                        |
| 2021-06-23 02:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-23 02:12:00 | Unknown parameter/formatting character |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-23 02:12:00 | Vibration N1 #1 Bearing                | 0.19 | 0.09 |                                            |
| 2021-06-23 02:12:00 | Vibration N1 Phase Angle #1 Bearing    | 129  | 47   |                                            |
| 2021-06-23 02:12:00 | Vibration N1 Phase Angle Turbine Frame | 113  | 63   |                                            |
| 2021-06-23 02:12:00 | Vibration N1 Turbine Frame             | 0.31 | 0.23 |                                            |
| 2021-06-23 02:12:00 | Vibration N2 #1 Bearing                | 0.03 | 0.18 |                                            |
| 2021-06-23 02:12:00 | Vibration N2 Turbine Frame             | 0.05 | 0.15 |                                            |
| 2021-06-22 13:47:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-06-22 13:47:00 | (1)                                    |      |      | 264                                        |
| 2021-06-22 13:47:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-22 13:47:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-22 13:47:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-22 13:47:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-22 13:47:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-22 13:47:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-22 13:47:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-22 13:47:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-22 13:47:00 | Air Speed Indicated                    |      |      | 273.7                                      |
| 2021-06-22 13:47:00 | Aircraft Gross Weight                  |      |      | 65027                                      |
| 2021-06-22 13:47:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-22 13:47:00 | Altitude                               |      |      | 32103                                      |
| 2021-06-22 13:47:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-22 13:47:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-22 13:47:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-22 13:47:00 | Core Speed                             | 94.8 | 94.8 |                                            |
| 2021-06-22 13:47:00 | Date GE Received                       |      |      | 06/22/2021                                 |
| 2021-06-22 13:47:00 | Date of Report                         |      |      | 06/22/2021                                 |
| 2021-06-22 13:47:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-06-22 13:47:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-22 13:47:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-22 13:47:00 | EGT Exhaust Gas Temperature            | 677  | 669  |                                            |
| 2021-06-22 13:47:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-22 13:47:00 | Flight Counter                         |      |      | 61                                         |
| 2021-06-22 13:47:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-06-22 13:47:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-06-22 13:47:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-22 13:47:00 | Fuel Flow                              | 1288 | 1265 |                                            |
| 2021-06-22 13:47:00 | Ground Speed                           |      |      | 440.2                                      |
| 2021-06-22 13:47:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-22 13:47:00 | Leg                                    |      |      | 2                                          |
| 2021-06-22 13:47:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-06-22 13:47:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-22 13:47:00 | N1 Indicated Fan Speed                 | 88.1 | 88.1 |                                            |
| 2021-06-22 13:47:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-06-22 13:47:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-06-22 13:47:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-22 13:47:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-22 13:47:00 | Temperature Static Air                 |      |      | -30.5                                      |
| 2021-06-22 13:47:00 | Throttle Lever Angle                   | 63.1 | 63.1 |                                            |
| 2021-06-22 13:47:00 | Time GE Received                       |      |      | 14:51:12                                   |
| 2021-06-22 13:47:00 | Time Of Report                         |      |      | 13:47:00                                   |
| 2021-06-22 13:47:00 | Total Air Temperature Aircraft         |      |      | -2.5                                       |
| 2021-06-22 13:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 13:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 13:47:00 | Vibration N1 #1 Bearing                | 0.15 | 0.21 |                                            |
| 2021-06-22 13:47:00 | Vibration N1 Phase Angle #1 Bearing    | 81   | 62   |                                            |
| 2021-06-22 13:47:00 | Vibration N1 Phase Angle Turbine Frame | 133  | 81   |                                            |
| 2021-06-22 13:47:00 | Vibration N1 Turbine Frame             | 0.27 | 0.37 |                                            |
| 2021-06-22 13:47:00 | Vibration N2 #1 Bearing                | 0.07 | 0.16 |                                            |
| 2021-06-22 13:47:00 | Vibration N2 Turbine Frame             | 0.1  | 0.06 |                                            |
| 2021-06-22 09:11:00 | (1)                                    |      | 61.4 | 21                                         |
| 2021-06-22 09:11:00 | (1)                                    |      |      | 264                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-22 09:11:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-22 09:11:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-22 09:11:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-22 09:11:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-22 09:11:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-22 09:11:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-22 09:11:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-22 09:11:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-22 09:11:00 | Air Speed Indicated                    |      |      | 282                                        |
| 2021-06-22 09:11:00 | Aircraft Gross Weight                  |      |      | 63502                                      |
| 2021-06-22 09:11:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-22 09:11:00 | Altitude                               |      |      | 32102                                      |
| 2021-06-22 09:11:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-22 09:11:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-22 09:11:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-22 09:11:00 | Core Speed                             | 91.8 | 91.7 |                                            |
| 2021-06-22 09:11:00 | Date GE Received                       |      |      | 06/22/2021                                 |
| 2021-06-22 09:11:00 | Date of Report                         |      |      | 06/22/2021                                 |
| 2021-06-22 09:11:00 | Departure Station                      |      |      | ZYT                                        |
| 2021-06-22 09:11:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-06-22 09:11:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-06-22 09:11:00 | EGT Exhaust Gas Temperature            | 621  | 613  |                                            |
| 2021-06-22 09:11:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-22 09:11:00 | Flight Counter                         |      |      | 18                                         |
| 2021-06-22 09:11:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-06-22 09:11:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-06-22 09:11:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-22 09:11:00 | Fuel Flow                              | 1261 | 1239 |                                            |
| 2021-06-22 09:11:00 | Ground Speed                           |      |      | 408                                        |
| 2021-06-22 09:11:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-22 09:11:00 | Leg                                    |      |      | 1                                          |
| 2021-06-22 09:11:00 | Mach Number                            |      |      | 0.78                                       |
| 2021-06-22 09:11:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-22 09:11:00 | N1 Indicated Fan Speed                 | 85.8 | 85.9 |                                            |
| 2021-06-22 09:11:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-06-22 09:11:00 | Oil Temperature                        | 102  | 101  |                                            |
| 2021-06-22 09:11:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-22 09:11:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-22 09:11:00 | Temperature Static Air                 |      |      | -46                                        |
| 2021-06-22 09:11:00 | Throttle Lever Angle                   | 61.3 | 61.4 |                                            |
| 2021-06-22 09:11:00 | Time GE Received                       |      |      | 11:05:47                                   |
| 2021-06-22 09:11:00 | Time Of Report                         |      |      | 09:11:00                                   |
| 2021-06-22 09:11:00 | Total Air Temperature Aircraft         |      |      | -18.5                                      |
| 2021-06-22 09:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 09:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 09:11:00 | Vibration N1 #1 Bearing                | 0.13 | 0.2  |                                            |
| 2021-06-22 09:11:00 | Vibration N1 Phase Angle #1 Bearing    | 76   | 77   |                                            |
| 2021-06-22 09:11:00 | Vibration N1 Phase Angle Turbine Frame | 118  | 88   |                                            |
| 2021-06-22 09:11:00 | Vibration N1 Turbine Frame             | 0.37 | 0.35 |                                            |
| 2021-06-22 09:11:00 | Vibration N2 #1 Bearing                | 0.04 | 0.08 |                                            |
| 2021-06-22 09:11:00 | Vibration N2 Turbine Frame             | 0.02 | 0.07 |                                            |
| 2021-06-22 06:10:00 | (1)                                    |      | 62   | 21                                         |
| 2021-06-22 06:10:00 | (1)                                    |      |      | 263                                        |
| 2021-06-22 06:10:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-22 06:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-22 06:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-22 06:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-22 06:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-22 06:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-22 06:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-22 06:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-22 06:10:00 | Air Speed Indicated                    |      |      | 268.4                                      |
| 2021-06-22 06:10:00 | Aircraft Gross Weight                  |      |      | 63230                                      |
| 2021-06-22 06:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-22 06:10:00 | Altitude                               |      |      | 33104                                      |
| 2021-06-22 06:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-22 06:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-22 06:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-22 06:10:00 | Core Speed                             | 93.9 | 93.8 |                                            |
| 2021-06-22 06:10:00 | Date GE Received                       |      |      | 06/22/2021                                 |
| 2021-06-22 06:10:00 | Date of Report                         |      |      | 06/22/2021                                 |
| 2021-06-22 06:10:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-06-22 06:10:00 | Destination Station                    |      |      | ZYT                                        |
| 2021-06-22 06:10:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-06-22 06:10:00 | EGT Exhaust Gas Temperature            | 663  | 655  |                                            |
| 2021-06-22 06:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-22 06:10:00 | Flight Counter                         |      |      | 1398                                       |
| 2021-06-22 06:10:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-06-22 06:10:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-06-22 06:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-22 06:10:00 | Fuel Flow                              | 1262 | 1230 |                                            |
| 2021-06-22 06:10:00 | Ground Speed                           |      |      | 477.1                                      |
| 2021-06-22 06:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-22 06:10:00 | Leg                                    |      |      | 2                                          |
| 2021-06-22 06:10:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-06-22 06:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-22 06:10:00 | N1 Indicated Fan Speed                 | 88.1 | 88.1 |                                            |
| 2021-06-22 06:10:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-22 06:10:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-06-22 06:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-22 06:10:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-22 06:10:00 | Temperature Static Air                 |      |      | -37                                        |
| 2021-06-22 06:10:00 | Throttle Lever Angle                   | 62   | 62   |                                            |
| 2021-06-22 06:10:00 | Time GE Received                       |      |      | 07:18:21                                   |
| 2021-06-22 06:10:00 | Time Of Report                         |      |      | 06:10:00                                   |
| 2021-06-22 06:10:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-06-22 06:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 06:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 06:10:00 | Vibration N1 #1 Bearing                | 0.19 | 0.17 |                                            |
| 2021-06-22 06:10:00 | Vibration N1 Phase Angle #1 Bearing    | 74   | 74   |                                            |
| 2021-06-22 06:10:00 | Vibration N1 Phase Angle Turbine Frame | 121  | 90   |                                            |
| 2021-06-22 06:10:00 | Vibration N1 Turbine Frame             | 0.29 | 0.34 |                                            |
| 2021-06-22 06:10:00 | Vibration N2 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-06-22 06:10:00 | Vibration N2 Turbine Frame             | 0.04 | 0.07 |                                            |
| 2021-06-22 02:25:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-06-22 02:25:00 | (1)                                    |      |      | 263                                        |
| 2021-06-22 02:25:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-22 02:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-22 02:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-22 02:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-22 02:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-22 02:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-22 02:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-22 02:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-22 02:25:00 | Air Speed Indicated                    |      |      | 261.3                                      |
| 2021-06-22 02:25:00 | Aircraft Gross Weight                  |      |      | 63013                                      |
| 2021-06-22 02:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-22 02:25:00 | Altitude                               |      |      | 35105                                      |
| 2021-06-22 02:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-22 02:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-22 02:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-22 02:25:00 | Core Speed                             | 94.1 | 94   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-22 02:25:00 | Date GE Received                       |      |      | 06/22/2021                                 |
| 2021-06-22 02:25:00 | Date of Report                         |      |      | 06/22/2021                                 |
| 2021-06-22 02:25:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-22 02:25:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-06-22 02:25:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-06-22 02:25:00 | EGT Exhaust Gas Temperature            | 670  | 660  |                                            |
| 2021-06-22 02:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-22 02:25:00 | Flight Counter                         |      |      | 2124                                       |
| 2021-06-22 02:25:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-06-22 02:25:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-06-22 02:25:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-22 02:25:00 | Fuel Flow                              | 1188 | 1159 |                                            |
| 2021-06-22 02:25:00 | Ground Speed                           |      |      | 447.8                                      |
| 2021-06-22 02:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-22 02:25:00 | Leg                                    |      |      | 1                                          |
| 2021-06-22 02:25:00 | Mach Number                            |      |      | 0.773                                      |
| 2021-06-22 02:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-22 02:25:00 | N1 Indicated Fan Speed                 | 88.5 | 88.6 |                                            |
| 2021-06-22 02:25:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-22 02:25:00 | Oil Temperature                        | 112  | 112  |                                            |
| 2021-06-22 02:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-22 02:25:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-22 02:25:00 | Temperature Static Air                 |      |      | -37.7                                      |
| 2021-06-22 02:25:00 | Throttle Lever Angle                   | 62.5 | 62.5 |                                            |
| 2021-06-22 02:25:00 | Time GE Received                       |      |      | 03:29:40                                   |
| 2021-06-22 02:25:00 | Time Of Report                         |      |      | 02:25:00                                   |
| 2021-06-22 02:25:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-06-22 02:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 02:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-22 02:25:00 | Vibration N1 #1 Bearing                | 0.24 | 0.14 |                                            |
| 2021-06-22 02:25:00 | Vibration N1 Phase Angle #1 Bearing    | 111  | 56   |                                            |
| 2021-06-22 02:25:00 | Vibration N1 Phase Angle Turbine Frame | 142  | 80   |                                            |
| 2021-06-22 02:25:00 | Vibration N1 Turbine Frame             | 0.29 | 0.33 |                                            |
| 2021-06-22 02:25:00 | Vibration N2 #1 Bearing                | 0.04 | 0.07 |                                            |
| 2021-06-22 02:25:00 | Vibration N2 Turbine Frame             | 0.06 | 0.06 |                                            |
| 2021-06-20 12:08:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-06-20 12:08:00 | (1)                                    |      |      | 704                                        |
| 2021-06-20 12:08:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-20 12:08:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-20 12:08:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-20 12:08:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-20 12:08:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-20 12:08:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-20 12:08:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-20 12:08:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-20 12:08:00 | Air Speed Indicated                    |      |      | 290.6                                      |
| 2021-06-20 12:08:00 | Aircraft Gross Weight                  |      |      | 66333                                      |
| 2021-06-20 12:08:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-20 12:08:00 | Altitude                               |      |      | 30098                                      |
| 2021-06-20 12:08:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-20 12:08:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-20 12:08:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-20 12:08:00 | Core Speed                             | 94.9 | 94.9 |                                            |
| 2021-06-20 12:08:00 | Date GE Received                       |      |      | 06/20/2021                                 |
| 2021-06-20 12:08:00 | Date of Report                         |      |      | 06/20/2021                                 |
| 2021-06-20 12:08:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-06-20 12:08:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-20 12:08:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-20 12:08:00 | EGT Exhaust Gas Temperature            | 669  | 669  |                                            |
| 2021-06-20 12:08:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-20 12:08:00 | Flight Counter                         |      |      | 3581                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-20 12:08:00 | Flight Number ACARS                    |      |      | 5704                                       |
| 2021-06-20 12:08:00 | Flight Number ACMS                     |      |      | 5704                                       |
| 2021-06-20 12:08:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-20 12:08:00 | Fuel Flow                              | 1373 | 1361 |                                            |
| 2021-06-20 12:08:00 | Ground Speed                           |      |      | 401.8                                      |
| 2021-06-20 12:08:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-20 12:08:00 | Leg                                    |      |      | 1                                          |
| 2021-06-20 12:08:00 | Mach Number                            |      |      | 0.769                                      |
| 2021-06-20 12:08:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-20 12:08:00 | N1 Indicated Fan Speed                 | 88.1 | 88.2 |                                            |
| 2021-06-20 12:08:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-20 12:08:00 | Oil Temperature                        | 108  | 108  |                                            |
| 2021-06-20 12:08:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-20 12:08:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-20 12:08:00 | Temperature Static Air                 |      |      | -28.3                                      |
| 2021-06-20 12:08:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-06-20 12:08:00 | Time GE Received                       |      |      | 14:30:05                                   |
| 2021-06-20 12:08:00 | Time Of Report                         |      |      | 12:08:00                                   |
| 2021-06-20 12:08:00 | Total Air Temperature Aircraft         |      |      | 0.8                                        |
| 2021-06-20 12:08:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-20 12:08:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-20 12:08:00 | Vibration N1 #1 Bearing                | 0.44 | 0.23 |                                            |
| 2021-06-20 12:08:00 | Vibration N1 Phase Angle #1 Bearing    | 21   | 91   |                                            |
| 2021-06-20 12:08:00 | Vibration N1 Phase Angle Turbine Frame | 25   | 109  |                                            |
| 2021-06-20 12:08:00 | Vibration N1 Turbine Frame             | 0.84 | 0.46 |                                            |
| 2021-06-20 12:08:00 | Vibration N2 #1 Bearing                | 0.1  | 0.16 |                                            |
| 2021-06-20 12:08:00 | Vibration N2 Turbine Frame             | 0.12 | 0.04 |                                            |
| 2021-06-20 07:25:00 | (1)                                    |      | 63.3 | 21                                         |
| 2021-06-20 07:25:00 | (1)                                    |      |      | 703                                        |
| 2021-06-20 07:25:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-20 07:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-20 07:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-20 07:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-20 07:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-20 07:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-20 07:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-20 07:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-20 07:25:00 | Air Speed Indicated                    |      |      | 281.9                                      |
| 2021-06-20 07:25:00 | Aircraft Gross Weight                  |      |      | 69454                                      |
| 2021-06-20 07:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-20 07:25:00 | Altitude                               |      |      | 31100                                      |
| 2021-06-20 07:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-20 07:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-20 07:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-20 07:25:00 | Core Speed                             | 95.3 | 95.3 |                                            |
| 2021-06-20 07:25:00 | Date GE Received                       |      |      | 06/20/2021                                 |
| 2021-06-20 07:25:00 | Date of Report                         |      |      | 06/20/2021                                 |
| 2021-06-20 07:25:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-20 07:25:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-06-20 07:25:00 | Downlink Ground Station                |      |      | PKX                                        |
| 2021-06-20 07:25:00 | EGT Exhaust Gas Temperature            | 678  | 681  |                                            |
| 2021-06-20 07:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-20 07:25:00 | Flight Counter                         |      |      | 3441                                       |
| 2021-06-20 07:25:00 | Flight Number ACARS                    |      |      | 5703                                       |
| 2021-06-20 07:25:00 | Flight Number ACMS                     |      |      | 5703                                       |
| 2021-06-20 07:25:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-20 07:25:00 | Fuel Flow                              | 1333 | 1316 |                                            |
| 2021-06-20 07:25:00 | Ground Speed                           |      |      | 468.1                                      |
| 2021-06-20 07:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-20 07:25:00 | Leg                                    |      |      | 1                                          |
| 2021-06-20 07:25:00 | Mach Number                            |      |      | 0.764                                      |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-20 07:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-20 07:25:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-06-20 07:25:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-20 07:25:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-20 07:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-20 07:25:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-20 07:25:00 | Temperature Static Air                 |      |      | -27                                        |
| 2021-06-20 07:25:00 | Throttle Lever Angle                   | 63.3 | 63.3 |                                            |
| 2021-06-20 07:25:00 | Time GE Received                       |      |      | 09:26:53                                   |
| 2021-06-20 07:25:00 | Time Of Report                         |      |      | 07:25:00                                   |
| 2021-06-20 07:25:00 | Total Air Temperature Aircraft         |      |      | 1.8                                        |
| 2021-06-20 07:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-20 07:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-20 07:25:00 | Vibration N1 #1 Bearing                | 0.58 | 0.23 |                                            |
| 2021-06-20 07:25:00 | Vibration N1 Phase Angle #1 Bearing    | 23   | 86   |                                            |
| 2021-06-20 07:25:00 | Vibration N1 Phase Angle Turbine Frame | 46   | 109  |                                            |
| 2021-06-20 07:25:00 | Vibration N1 Turbine Frame             | 0.85 | 0.44 |                                            |
| 2021-06-20 07:25:00 | Vibration N2 #1 Bearing                | 0.18 | 0.29 |                                            |
| 2021-06-20 07:25:00 | Vibration N2 Turbine Frame             | 0.07 | 0.06 |                                            |
| 2021-06-20 01:25:00 | (1)                                    |      | 63   | 21                                         |
| 2021-06-20 01:25:00 | (1)                                    |      |      | 752                                        |
| 2021-06-20 01:25:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-20 01:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-20 01:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-20 01:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-20 01:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-20 01:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-20 01:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-20 01:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-20 01:25:00 | Air Speed Indicated                    |      |      | 274.3                                      |
| 2021-06-20 01:25:00 | Aircraft Gross Weight                  |      |      | 68129                                      |
| 2021-06-20 01:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-20 01:25:00 | Altitude                               |      |      | 32099                                      |
| 2021-06-20 01:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-20 01:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-20 01:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-20 01:25:00 | Core Speed                             | 94.7 | 94.7 |                                            |
| 2021-06-20 01:25:00 | Date GE Received                       |      |      | 06/20/2021                                 |
| 2021-06-20 01:25:00 | Date of Report                         |      |      | 06/20/2021                                 |
| 2021-06-20 01:25:00 | Departure Station                      |      |      | ZBT                                        |
| 2021-06-20 01:25:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-20 01:25:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-20 01:25:00 | EGT Exhaust Gas Temperature            | 674  | 675  |                                            |
| 2021-06-20 01:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-20 01:25:00 | Flight Counter                         |      |      | 2128                                       |
| 2021-06-20 01:25:00 | Flight Number ACARS                    |      |      | 5752                                       |
| 2021-06-20 01:25:00 | Flight Number ACMS                     |      |      | 5752                                       |
| 2021-06-20 01:25:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-20 01:25:00 | Fuel Flow                              | 1301 | 1289 |                                            |
| 2021-06-20 01:25:00 | Ground Speed                           |      |      | 399.3                                      |
| 2021-06-20 01:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-20 01:25:00 | Leg                                    |      |      | 1                                          |
| 2021-06-20 01:25:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-06-20 01:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-20 01:25:00 | N1 Indicated Fan Speed                 | 88.8 | 88.8 |                                            |
| 2021-06-20 01:25:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-06-20 01:25:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-06-20 01:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-20 01:25:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-20 01:25:00 | Temperature Static Air                 |      |      | -31                                        |
| 2021-06-20 01:25:00 | Throttle Lever Angle                   | 63   | 63   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-20 01:25:00 | Time GE Received                       |      |      | 03:28:15                                   |
| 2021-06-20 01:25:00 | Time Of Report                         |      |      | 01:25:00                                   |
| 2021-06-20 01:25:00 | Total Air Temperature Aircraft         |      |      | -3                                         |
| 2021-06-20 01:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-20 01:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-20 01:25:00 | Vibration N1 #1 Bearing                | 0.47 | 0.21 |                                            |
| 2021-06-20 01:25:00 | Vibration N1 Phase Angle #1 Bearing    | 13   | 85   |                                            |
| 2021-06-20 01:25:00 | Vibration N1 Phase Angle Turbine Frame | 27   | 106  |                                            |
| 2021-06-20 01:25:00 | Vibration N1 Turbine Frame             | 0.63 | 0.43 |                                            |
| 2021-06-20 01:25:00 | Vibration N2 #1 Bearing                | 0.09 | 0.13 |                                            |
| 2021-06-20 01:25:00 | Vibration N2 Turbine Frame             | 0.11 | 0.05 |                                            |
| 2021-06-19 14:00:00 | (1)                                    |      | 64   | 21                                         |
| 2021-06-19 14:00:00 | (1)                                    |      |      | 751                                        |
| 2021-06-19 14:00:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-19 14:00:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-19 14:00:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-19 14:00:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-19 14:00:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-19 14:00:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-19 14:00:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-19 14:00:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-19 14:00:00 | Air Speed Indicated                    |      |      | 280.9                                      |
| 2021-06-19 14:00:00 | Aircraft Gross Weight                  |      |      | 67349                                      |
| 2021-06-19 14:00:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-19 14:00:00 | Altitude                               |      |      | 31100                                      |
| 2021-06-19 14:00:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-19 14:00:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-19 14:00:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-19 14:00:00 | Core Speed                             | 95.9 | 95.8 |                                            |
| 2021-06-19 14:00:00 | Date GE Received                       |      |      | 06/19/2021                                 |
| 2021-06-19 14:00:00 | Date of Report                         |      |      | 06/19/2021                                 |
| 2021-06-19 14:00:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-19 14:00:00 | Destination Station                    |      |      | ZBT                                        |
| 2021-06-19 14:00:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-06-19 14:00:00 | EGT Exhaust Gas Temperature            | 694  | 690  |                                            |
| 2021-06-19 14:00:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-19 14:00:00 | Flight Counter                         |      |      | 1818                                       |
| 2021-06-19 14:00:00 | Flight Number ACARS                    |      |      | 5751                                       |
| 2021-06-19 14:00:00 | Flight Number ACMS                     |      |      | 5751                                       |
| 2021-06-19 14:00:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-19 14:00:00 | Fuel Flow                              | 1366 | 1346 |                                            |
| 2021-06-19 14:00:00 | Ground Speed                           |      |      | 464.3                                      |
| 2021-06-19 14:00:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-19 14:00:00 | Leg                                    |      |      | 1                                          |
| 2021-06-19 14:00:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-06-19 14:00:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-19 14:00:00 | N1 Indicated Fan Speed                 | 89.4 | 89.4 |                                            |
| 2021-06-19 14:00:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-19 14:00:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-06-19 14:00:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-19 14:00:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-19 14:00:00 | Temperature Static Air                 |      |      | -25.5                                      |
| 2021-06-19 14:00:00 | Throttle Lever Angle                   | 64   | 64   |                                            |
| 2021-06-19 14:00:00 | Time GE Received                       |      |      | 16:02:24                                   |
| 2021-06-19 14:00:00 | Time Of Report                         |      |      | 14:00:00                                   |
| 2021-06-19 14:00:00 | Total Air Temperature Aircraft         |      |      | 3.3                                        |
| 2021-06-19 14:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-19 14:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-19 14:00:00 | Vibration N1 #1 Bearing                | 0.56 | 0.24 |                                            |
| 2021-06-19 14:00:00 | Vibration N1 Phase Angle #1 Bearing    | 32   | 88   |                                            |
| 2021-06-19 14:00:00 | Vibration N1 Phase Angle Turbine Frame | 32   | 117  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-19 14:00:00 | Vibration N1 Turbine Frame             | 0.69 | 0.51 |                                            |
| 2021-06-19 14:00:00 | Vibration N2 #1 Bearing                | 0.17 | 0.24 |                                            |
| 2021-06-19 14:00:00 | Vibration N2 Turbine Frame             | 0.1  | 0.01 |                                            |
| 2021-06-19 08:42:00 | (1)                                    |      | 58.9 | 21                                         |
| 2021-06-19 08:42:00 | (1)                                    |      |      | 750                                        |
| 2021-06-19 08:42:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-19 08:42:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-19 08:42:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-19 08:42:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-19 08:42:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-19 08:42:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-19 08:42:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-19 08:42:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-19 08:42:00 | Air Speed Indicated                    |      |      | 259.4                                      |
| 2021-06-19 08:42:00 | Aircraft Gross Weight                  |      |      | 62486                                      |
| 2021-06-19 08:42:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-19 08:42:00 | Altitude                               |      |      | 25602                                      |
| 2021-06-19 08:42:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-19 08:42:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-19 08:42:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-19 08:42:00 | Core Speed                             | 93.2 | 93   |                                            |
| 2021-06-19 08:42:00 | Date GE Received                       |      |      | 06/19/2021                                 |
| 2021-06-19 08:42:00 | Date of Report                         |      |      | 06/19/2021                                 |
| 2021-06-19 08:42:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-06-19 08:42:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-19 08:42:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-19 08:42:00 | EGT Exhaust Gas Temperature            | 629  | 640  |                                            |
| 2021-06-19 08:42:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-19 08:42:00 | Flight Counter                         |      |      | 189                                        |
| 2021-06-19 08:42:00 | Flight Number ACARS                    |      |      | 5750                                       |
| 2021-06-19 08:42:00 | Flight Number ACMS                     |      |      | 5750                                       |
| 2021-06-19 08:42:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-19 08:42:00 | Fuel Flow                              | 1185 | 1191 |                                            |
| 2021-06-19 08:42:00 | Ground Speed                           |      |      | 389                                        |
| 2021-06-19 08:42:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-19 08:42:00 | Leg                                    |      |      | 1                                          |
| 2021-06-19 08:42:00 | Mach Number                            |      |      | 0.633                                      |
| 2021-06-19 08:42:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-19 08:42:00 | N1 Indicated Fan Speed                 | 81.6 | 81.6 |                                            |
| 2021-06-19 08:42:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-06-19 08:42:00 | Oil Temperature                        | 113  | 112  |                                            |
| 2021-06-19 08:42:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-19 08:42:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-19 08:42:00 | Temperature Static Air                 |      |      | -14.5                                      |
| 2021-06-19 08:42:00 | Throttle Lever Angle                   | 58.9 | 58.9 |                                            |
| 2021-06-19 08:42:00 | Time GE Received                       |      |      | 09:55:09                                   |
| 2021-06-19 08:42:00 | Time Of Report                         |      |      | 08:42:00                                   |
| 2021-06-19 08:42:00 | Total Air Temperature Aircraft         |      |      | 6                                          |
| 2021-06-19 08:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-19 08:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-19 08:42:00 | Vibration N1 #1 Bearing                | 0.24 | 0.09 |                                            |
| 2021-06-19 08:42:00 | Vibration N1 Phase Angle #1 Bearing    | 357  | 81   |                                            |
| 2021-06-19 08:42:00 | Vibration N1 Phase Angle Turbine Frame | 8    | 80   |                                            |
| 2021-06-19 08:42:00 | Vibration N1 Turbine Frame             | 0.44 | 0.22 |                                            |
| 2021-06-19 08:42:00 | Vibration N2 #1 Bearing                | 0.04 | 0.1  |                                            |
| 2021-06-19 08:42:00 | Vibration N2 Turbine Frame             | 0.06 | 0.1  |                                            |
| 2021-06-19 05:36:00 | (1)                                    |      | 56.7 | 21                                         |
| 2021-06-19 05:36:00 | (1)                                    |      |      | 749                                        |
| 2021-06-19 05:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-19 05:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-19 05:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-19 05:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-19 05:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-19 05:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-19 05:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-19 05:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-19 05:36:00 | Air Speed Indicated                    |      |      | 248.7                                      |
| 2021-06-19 05:36:00 | Aircraft Gross Weight                  |      |      | 66605                                      |
| 2021-06-19 05:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-19 05:36:00 | Altitude                               |      |      | 22597                                      |
| 2021-06-19 05:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-19 05:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-19 05:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-19 05:36:00 | Core Speed                             | 91.3 | 91.1 |                                            |
| 2021-06-19 05:36:00 | Date GE Received                       |      |      | 06/19/2021                                 |
| 2021-06-19 05:36:00 | Date of Report                         |      |      | 06/19/2021                                 |
| 2021-06-19 05:36:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-19 05:36:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-06-19 05:36:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-06-19 05:36:00 | EGT Exhaust Gas Temperature            | 621  | 624  |                                            |
| 2021-06-19 05:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-19 05:36:00 | Flight Counter                         |      |      | 1483                                       |
| 2021-06-19 05:36:00 | Flight Number ACARS                    |      |      | 5749                                       |
| 2021-06-19 05:36:00 | Flight Number ACMS                     |      |      | 5749                                       |
| 2021-06-19 05:36:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-06-19 05:36:00 | Fuel Flow                              | 1161 | 1157 |                                            |
| 2021-06-19 05:36:00 | Ground Speed                           |      |      | 366.6                                      |
| 2021-06-19 05:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-19 05:36:00 | Leg                                    |      |      | 1                                          |
| 2021-06-19 05:36:00 | Mach Number                            |      |      | 0.573                                      |
| 2021-06-19 05:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-19 05:36:00 | N1 Indicated Fan Speed                 | 78   | 78   |                                            |
| 2021-06-19 05:36:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-06-19 05:36:00 | Oil Temperature                        | 107  | 107  |                                            |
| 2021-06-19 05:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-19 05:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-19 05:36:00 | Temperature Static Air                 |      |      | -10.2                                      |
| 2021-06-19 05:36:00 | Throttle Lever Angle                   | 56.7 | 56.7 |                                            |
| 2021-06-19 05:36:00 | Time GE Received                       |      |      | 06:58:37                                   |
| 2021-06-19 05:36:00 | Time Of Report                         |      |      | 05:36:00                                   |
| 2021-06-19 05:36:00 | Total Air Temperature Aircraft         |      |      | 7                                          |
| 2021-06-19 05:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-19 05:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-19 05:36:00 | Vibration N1 #1 Bearing                | 0.3  | 0.11 |                                            |
| 2021-06-19 05:36:00 | Vibration N1 Phase Angle #1 Bearing    | 351  | 101  |                                            |
| 2021-06-19 05:36:00 | Vibration N1 Phase Angle Turbine Frame | 1    | 47   |                                            |
| 2021-06-19 05:36:00 | Vibration N1 Turbine Frame             | 0.48 | 0.28 |                                            |
| 2021-06-19 05:36:00 | Vibration N2 #1 Bearing                | 0.06 | 0.08 |                                            |
| 2021-06-19 05:36:00 | Vibration N2 Turbine Frame             | 0.03 | 0.08 |                                            |
| 2021-06-18 10:29:00 | (1)                                    |      | 61.8 | 21                                         |
| 2021-06-18 10:29:00 | (1)                                    |      |      | 758                                        |
| 2021-06-18 10:29:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-18 10:29:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-18 10:29:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-18 10:29:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-18 10:29:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-18 10:29:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-18 10:29:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-18 10:29:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-18 10:29:00 | Air Speed Indicated                    |      |      | 265.3                                      |
| 2021-06-18 10:29:00 | Aircraft Gross Weight                  |      |      | 60545                                      |
| 2021-06-18 10:29:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-18 10:29:00 | Altitude                               |      |      | 34100                                      |
| 2021-06-18 10:29:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-18 10:29:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-18 10:29:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-18 10:29:00 | Core Speed                             | 93.6 | 93.5 |                                            |
| 2021-06-18 10:29:00 | Date GE Received                       |      |      | 06/18/2021                                 |
| 2021-06-18 10:29:00 | Date of Report                         |      |      | 06/18/2021                                 |
| 2021-06-18 10:29:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-06-18 10:29:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-18 10:29:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-18 10:29:00 | EGT Exhaust Gas Temperature            | 653  | 667  |                                            |
| 2021-06-18 10:29:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-18 10:29:00 | Flight Counter                         |      |      | 704                                        |
| 2021-06-18 10:29:00 | Flight Number ACARS                    |      |      | 5758                                       |
| 2021-06-18 10:29:00 | Flight Number ACMS                     |      |      | 5758                                       |
| 2021-06-18 10:29:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-18 10:29:00 | Fuel Flow                              | 1182 | 1185 |                                            |
| 2021-06-18 10:29:00 | Ground Speed                           |      |      | 474.9                                      |
| 2021-06-18 10:29:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-18 10:29:00 | Leg                                    |      |      | 1                                          |
| 2021-06-18 10:29:00 | Mach Number                            |      |      | 0.768                                      |
| 2021-06-18 10:29:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-18 10:29:00 | N1 Indicated Fan Speed                 | 87.6 | 87.7 |                                            |
| 2021-06-18 10:29:00 | Oil Pressure                           | 43   | 45   |                                            |
| 2021-06-18 10:29:00 | Oil Temperature                        | 118  | 116  |                                            |
| 2021-06-18 10:29:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-18 10:29:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-18 10:29:00 | Temperature Static Air                 |      |      | -37.3                                      |
| 2021-06-18 10:29:00 | Throttle Lever Angle                   | 61.8 | 61.8 |                                            |
| 2021-06-18 10:29:00 | Time GE Received                       |      |      | 11:38:38                                   |
| 2021-06-18 10:29:00 | Time Of Report                         |      |      | 10:29:00                                   |
| 2021-06-18 10:29:00 | Total Air Temperature Aircraft         |      |      | -9.3                                       |
| 2021-06-18 10:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-18 10:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-18 10:29:00 | Vibration N1 #1 Bearing                | 0.38 | 0.12 |                                            |
| 2021-06-18 10:29:00 | Vibration N1 Phase Angle #1 Bearing    | 14   | 93   |                                            |
| 2021-06-18 10:29:00 | Vibration N1 Phase Angle Turbine Frame | 23   | 113  |                                            |
| 2021-06-18 10:29:00 | Vibration N1 Turbine Frame             | 0.8  | 0.38 |                                            |
| 2021-06-18 10:29:00 | Vibration N2 #1 Bearing                | 0.03 | 0.16 |                                            |
| 2021-06-18 10:29:00 | Vibration N2 Turbine Frame             | 0.07 | 0.15 |                                            |
| 2021-06-18 07:00:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-06-18 07:00:00 | (1)                                    |      |      | 757                                        |
| 2021-06-18 07:00:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-18 07:00:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-18 07:00:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-18 07:00:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-18 07:00:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-18 07:00:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-18 07:00:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-18 07:00:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-18 07:00:00 | Air Speed Indicated                    |      |      | 259.1                                      |
| 2021-06-18 07:00:00 | Aircraft Gross Weight                  |      |      | 64446                                      |
| 2021-06-18 07:00:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-18 07:00:00 | Altitude                               |      |      | 35099                                      |
| 2021-06-18 07:00:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-18 07:00:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-18 07:00:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-18 07:00:00 | Core Speed                             | 93.8 | 93.6 |                                            |
| 2021-06-18 07:00:00 | Date GE Received                       |      |      | 06/18/2021                                 |
| 2021-06-18 07:00:00 | Date of Report                         |      |      | 06/18/2021                                 |
| 2021-06-18 07:00:00 | Departure Station                      |      |      | ZPP                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-18 07:00:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-06-18 07:00:00 | Downlink Ground Station                |      |      | SZX                                        |
| 2021-06-18 07:00:00 | EGT Exhaust Gas Temperature            | 661  | 672  |                                            |
| 2021-06-18 07:00:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-18 07:00:00 | Flight Counter                         |      |      | 1651                                       |
| 2021-06-18 07:00:00 | Flight Number ACARS                    |      |      | 5757                                       |
| 2021-06-18 07:00:00 | Flight Number ACMS                     |      |      | 5757                                       |
| 2021-06-18 07:00:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-18 07:00:00 | Fuel Flow                              | 1145 | 1144 |                                            |
| 2021-06-18 07:00:00 | Ground Speed                           |      |      | 428                                        |
| 2021-06-18 07:00:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-18 07:00:00 | Leg                                    |      |      | 1                                          |
| 2021-06-18 07:00:00 | Mach Number                            |      |      | 0.767                                      |
| 2021-06-18 07:00:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-18 07:00:00 | N1 Indicated Fan Speed                 | 87.9 | 88   |                                            |
| 2021-06-18 07:00:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-18 07:00:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-06-18 07:00:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-18 07:00:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-18 07:00:00 | Temperature Static Air                 |      |      | -37.5                                      |
| 2021-06-18 07:00:00 | Throttle Lever Angle                   | 62.1 | 62.2 |                                            |
| 2021-06-18 07:00:00 | Time GE Received                       |      |      | 08:00:46                                   |
| 2021-06-18 07:00:00 | Time Of Report                         |      |      | 07:00:00                                   |
| 2021-06-18 07:00:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-06-18 07:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-18 07:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-18 07:00:00 | Vibration N1 #1 Bearing                | 0.47 | 0.07 |                                            |
| 2021-06-18 07:00:00 | Vibration N1 Phase Angle #1 Bearing    | 9    | 90   |                                            |
| 2021-06-18 07:00:00 | Vibration N1 Phase Angle Turbine Frame | 30   | 95   |                                            |
| 2021-06-18 07:00:00 | Vibration N1 Turbine Frame             | 0.73 | 0.35 |                                            |
| 2021-06-18 07:00:00 | Vibration N2 #1 Bearing                | 0.08 | 0.05 |                                            |
| 2021-06-18 07:00:00 | Vibration N2 Turbine Frame             | 0.03 | 0.05 |                                            |
| 2021-06-18 00:40:00 | (1)                                    |      | 63.2 | 21                                         |
| 2021-06-18 00:40:00 | (1)                                    |      |      | 814                                        |
| 2021-06-18 00:40:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-18 00:40:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-18 00:40:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-18 00:40:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-18 00:40:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-18 00:40:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-18 00:40:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-18 00:40:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-18 00:40:00 | Air Speed Indicated                    |      |      | 262.6                                      |
| 2021-06-18 00:40:00 | Aircraft Gross Weight                  |      |      | 65698                                      |
| 2021-06-18 00:40:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-18 00:40:00 | Altitude                               |      |      | 34103                                      |
| 2021-06-18 00:40:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-18 00:40:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-18 00:40:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-18 00:40:00 | Core Speed                             | 94.6 | 94.4 |                                            |
| 2021-06-18 00:40:00 | Date GE Received                       |      |      | 06/18/2021                                 |
| 2021-06-18 00:40:00 | Date of Report                         |      |      | 06/18/2021                                 |
| 2021-06-18 00:40:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-18 00:40:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-18 00:40:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-18 00:40:00 | EGT Exhaust Gas Temperature            | 672  | 686  |                                            |
| 2021-06-18 00:40:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-18 00:40:00 | Flight Counter                         |      |      | 2231                                       |
| 2021-06-18 00:40:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-06-18 00:40:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-06-18 00:40:00 | Flight Phase ACMS                      |      |      | SCR2                                       |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-18 00:40:00 | Fuel Flow                              | 1247 | 1246 |                                            |
| 2021-06-18 00:40:00 | Ground Speed                           |      |      | 454.4                                      |
| 2021-06-18 00:40:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-18 00:40:00 | Leg                                    |      |      | 1                                          |
| 2021-06-18 00:40:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-06-18 00:40:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-18 00:40:00 | N1 Indicated Fan Speed                 | 89.3 | 89.3 |                                            |
| 2021-06-18 00:40:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-18 00:40:00 | Oil Temperature                        | 113  | 111  |                                            |
| 2021-06-18 00:40:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-18 00:40:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-18 00:40:00 | Temperature Static Air                 |      |      | -35.5                                      |
| 2021-06-18 00:40:00 | Throttle Lever Angle                   | 63.1 | 63.2 |                                            |
| 2021-06-18 00:40:00 | Time GE Received                       |      |      | 02:23:11                                   |
| 2021-06-18 00:40:00 | Time Of Report                         |      |      | 00:40:00                                   |
| 2021-06-18 00:40:00 | Total Air Temperature Aircraft         |      |      | -8                                         |
| 2021-06-18 00:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-18 00:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-18 00:40:00 | Vibration N1 #1 Bearing                | 0.5  | 0.2  |                                            |
| 2021-06-18 00:40:00 | Vibration N1 Phase Angle #1 Bearing    | 29   | 105  |                                            |
| 2021-06-18 00:40:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 138  |                                            |
| 2021-06-18 00:40:00 | Vibration N1 Turbine Frame             | 0.66 | 0.5  |                                            |
| 2021-06-18 00:40:00 | Vibration N2 #1 Bearing                | 0.04 | 0.25 |                                            |
| 2021-06-18 00:40:00 | Vibration N2 Turbine Frame             | 0.05 | 0.12 |                                            |
| 2021-06-17 13:01:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-06-17 13:01:00 | (1)                                    |      |      | 813                                        |
| 2021-06-17 13:01:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-17 13:01:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-17 13:01:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-17 13:01:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-17 13:01:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-17 13:01:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-17 13:01:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-17 13:01:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-17 13:01:00 | Air Speed Indicated                    |      |      | 256                                        |
| 2021-06-17 13:01:00 | Aircraft Gross Weight                  |      |      | 63938                                      |
| 2021-06-17 13:01:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-17 13:01:00 | Altitude                               |      |      | 35098                                      |
| 2021-06-17 13:01:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-17 13:01:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-17 13:01:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-17 13:01:00 | Core Speed                             | 94.2 | 94   |                                            |
| 2021-06-17 13:01:00 | Date GE Received                       |      |      | 06/17/2021                                 |
| 2021-06-17 13:01:00 | Date of Report                         |      |      | 06/17/2021                                 |
| 2021-06-17 13:01:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-17 13:01:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-17 13:01:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-06-17 13:01:00 | EGT Exhaust Gas Temperature            | 672  | 684  |                                            |
| 2021-06-17 13:01:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-17 13:01:00 | Flight Counter                         |      |      | 1733                                       |
| 2021-06-17 13:01:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-06-17 13:01:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-06-17 13:01:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-17 13:01:00 | Fuel Flow                              | 1211 | 1208 |                                            |
| 2021-06-17 13:01:00 | Ground Speed                           |      |      | 441.4                                      |
| 2021-06-17 13:01:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-17 13:01:00 | Leg                                    |      |      | 1                                          |
| 2021-06-17 13:01:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-06-17 13:01:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-17 13:01:00 | N1 Indicated Fan Speed                 | 89.4 | 89.4 |                                            |
| 2021-06-17 13:01:00 | Oil Pressure                           | 45   | 46   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-17 13:01:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-06-17 13:01:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-17 13:01:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-17 13:01:00 | Temperature Static Air                 |      |      | -38.8                                      |
| 2021-06-17 13:01:00 | Throttle Lever Angle                   | 63.1 | 63.1 |                                            |
| 2021-06-17 13:01:00 | Time GE Received                       |      |      | 14:50:52                                   |
| 2021-06-17 13:01:00 | Time Of Report                         |      |      | 13:01:00                                   |
| 2021-06-17 13:01:00 | Total Air Temperature Aircraft         |      |      | -11.5                                      |
| 2021-06-17 13:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-17 13:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-17 13:01:00 | Vibration N1 #1 Bearing                | 0.44 | 0.1  |                                            |
| 2021-06-17 13:01:00 | Vibration N1 Phase Angle #1 Bearing    | 28   | 134  |                                            |
| 2021-06-17 13:01:00 | Vibration N1 Phase Angle Turbine Frame | 35   | 100  |                                            |
| 2021-06-17 13:01:00 | Vibration N1 Turbine Frame             | 0.56 | 0.32 |                                            |
| 2021-06-17 13:01:00 | Vibration N2 #1 Bearing                | 0.03 | 0.15 |                                            |
| 2021-06-17 13:01:00 | Vibration N2 Turbine Frame             | 0.04 | 0.13 |                                            |
| 2021-06-16 08:58:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-06-16 08:58:00 | (1)                                    |      |      | 736                                        |
| 2021-06-16 08:58:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-16 08:58:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-16 08:58:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-16 08:58:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-16 08:58:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-16 08:58:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-16 08:58:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-16 08:58:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-16 08:58:00 | Air Speed Indicated                    |      |      | 276.6                                      |
| 2021-06-16 08:58:00 | Aircraft Gross Weight                  |      |      | 65516                                      |
| 2021-06-16 08:58:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-16 08:58:00 | Altitude                               |      |      | 32099                                      |
| 2021-06-16 08:58:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-16 08:58:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-16 08:58:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-16 08:58:00 | Core Speed                             | 94.5 | 94.5 |                                            |
| 2021-06-16 08:58:00 | Date GE Received                       |      |      | 06/16/2021                                 |
| 2021-06-16 08:58:00 | Date of Report                         |      |      | 06/16/2021                                 |
| 2021-06-16 08:58:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-06-16 08:58:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-16 08:58:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-16 08:58:00 | EGT Exhaust Gas Temperature            | 663  | 666  |                                            |
| 2021-06-16 08:58:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-16 08:58:00 | Flight Counter                         |      |      | 1586                                       |
| 2021-06-16 08:58:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-06-16 08:58:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-06-16 08:58:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-16 08:58:00 | Fuel Flow                              | 1275 | 1260 |                                            |
| 2021-06-16 08:58:00 | Ground Speed                           |      |      | 476.1                                      |
| 2021-06-16 08:58:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-16 08:58:00 | Leg                                    |      |      | 1                                          |
| 2021-06-16 08:58:00 | Mach Number                            |      |      | 0.766                                      |
| 2021-06-16 08:58:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-16 08:58:00 | N1 Indicated Fan Speed                 | 87.9 | 87.9 |                                            |
| 2021-06-16 08:58:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-16 08:58:00 | Oil Temperature                        | 116  | 115  |                                            |
| 2021-06-16 08:58:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-16 08:58:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-16 08:58:00 | Temperature Static Air                 |      |      | -31.7                                      |
| 2021-06-16 08:58:00 | Throttle Lever Angle                   | 62.3 | 62.3 |                                            |
| 2021-06-16 08:58:00 | Time GE Received                       |      |      | 10:19:20                                   |
| 2021-06-16 08:58:00 | Time Of Report                         |      |      | 08:58:00                                   |
| 2021-06-16 08:58:00 | Total Air Temperature Aircraft         |      |      | -3.5                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-16 08:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-16 08:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-16 08:58:00 | Vibration N1 #1 Bearing                | 0.44 | 0.19 |                                            |
| 2021-06-16 08:58:00 | Vibration N1 Phase Angle #1 Bearing    | 32   | 90   |                                            |
| 2021-06-16 08:58:00 | Vibration N1 Phase Angle Turbine Frame | 28   | 108  |                                            |
| 2021-06-16 08:58:00 | Vibration N1 Turbine Frame             | 0.68 | 0.46 |                                            |
| 2021-06-16 08:58:00 | Vibration N2 #1 Bearing                | 0.06 | 0.13 |                                            |
| 2021-06-16 08:58:00 | Vibration N2 Turbine Frame             | 0.05 | 0.07 |                                            |
| 2021-06-16 05:37:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-06-16 05:37:00 | (1)                                    |      |      | 735                                        |
| 2021-06-16 05:37:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-16 05:37:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-16 05:37:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-16 05:37:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-16 05:37:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-16 05:37:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-16 05:37:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-16 05:37:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-16 05:37:00 | Air Speed Indicated                    |      |      | 290.4                                      |
| 2021-06-16 05:37:00 | Aircraft Gross Weight                  |      |      | 67113                                      |
| 2021-06-16 05:37:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-16 05:37:00 | Altitude                               |      |      | 29101                                      |
| 2021-06-16 05:37:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-16 05:37:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-16 05:37:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-16 05:37:00 | Core Speed                             | 95   | 95   |                                            |
| 2021-06-16 05:37:00 | Date GE Received                       |      |      | 06/16/2021                                 |
| 2021-06-16 05:37:00 | Date of Report                         |      |      | 06/16/2021                                 |
| 2021-06-16 05:37:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-16 05:37:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-06-16 05:37:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-06-16 05:37:00 | EGT Exhaust Gas Temperature            | 662  | 670  |                                            |
| 2021-06-16 05:37:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-16 05:37:00 | Flight Counter                         |      |      | 2673                                       |
| 2021-06-16 05:37:00 | Flight Number ACARS                    |      |      | 5735                                       |
| 2021-06-16 05:37:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-06-16 05:37:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-16 05:37:00 | Fuel Flow                              | 1356 | 1344 |                                            |
| 2021-06-16 05:37:00 | Ground Speed                           |      |      | 449.2                                      |
| 2021-06-16 05:37:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-16 05:37:00 | Leg                                    |      |      | 1                                          |
| 2021-06-16 05:37:00 | Mach Number                            |      |      | 0.754                                      |
| 2021-06-16 05:37:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-16 05:37:00 | N1 Indicated Fan Speed                 | 87.2 | 87.3 |                                            |
| 2021-06-16 05:37:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-16 05:37:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-16 05:37:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-16 05:37:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-16 05:37:00 | Temperature Static Air                 |      |      | -23.8                                      |
| 2021-06-16 05:37:00 | Throttle Lever Angle                   | 62.5 | 62.6 |                                            |
| 2021-06-16 05:37:00 | Time GE Received                       |      |      | 06:31:58                                   |
| 2021-06-16 05:37:00 | Time Of Report                         |      |      | 05:37:00                                   |
| 2021-06-16 05:37:00 | Total Air Temperature Aircraft         |      |      | 4.8                                        |
| 2021-06-16 05:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-16 05:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-16 05:37:00 | Vibration N1 #1 Bearing                | 0.39 | 0.2  |                                            |
| 2021-06-16 05:37:00 | Vibration N1 Phase Angle #1 Bearing    | 30   | 84   |                                            |
| 2021-06-16 05:37:00 | Vibration N1 Phase Angle Turbine Frame | 32   | 107  |                                            |
| 2021-06-16 05:37:00 | Vibration N1 Turbine Frame             | 0.64 | 0.5  |                                            |
| 2021-06-16 05:37:00 | Vibration N2 #1 Bearing                | 0.09 | 0.24 |                                            |
| 2021-06-16 05:37:00 | Vibration N2 Turbine Frame             | 0.11 | 0.03 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-16 01:19:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-06-16 01:19:00 | (1)                                    |      |      | 814                                        |
| 2021-06-16 01:19:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-16 01:19:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-16 01:19:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-16 01:19:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-16 01:19:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-16 01:19:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-16 01:19:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-16 01:19:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-16 01:19:00 | Air Speed Indicated                    |      |      | 262.8                                      |
| 2021-06-16 01:19:00 | Aircraft Gross Weight                  |      |      | 66551                                      |
| 2021-06-16 01:19:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-16 01:19:00 | Altitude                               |      |      | 34107                                      |
| 2021-06-16 01:19:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-16 01:19:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-16 01:19:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-16 01:19:00 | Core Speed                             | 94.2 | 93.9 |                                            |
| 2021-06-16 01:19:00 | Date GE Received                       |      |      | 06/16/2021                                 |
| 2021-06-16 01:19:00 | Date of Report                         |      |      | 06/16/2021                                 |
| 2021-06-16 01:19:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-16 01:19:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-16 01:19:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-16 01:19:00 | EGT Exhaust Gas Temperature            | 665  | 678  |                                            |
| 2021-06-16 01:19:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-16 01:19:00 | Flight Counter                         |      |      | 2897                                       |
| 2021-06-16 01:19:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-06-16 01:19:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-06-16 01:19:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-16 01:19:00 | Fuel Flow                              | 1223 | 1227 |                                            |
| 2021-06-16 01:19:00 | Ground Speed                           |      |      | 477.2                                      |
| 2021-06-16 01:19:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-16 01:19:00 | Leg                                    |      |      | 1                                          |
| 2021-06-16 01:19:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-06-16 01:19:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-16 01:19:00 | N1 Indicated Fan Speed                 | 88.8 | 88.8 |                                            |
| 2021-06-16 01:19:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-16 01:19:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-06-16 01:19:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-16 01:19:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-16 01:19:00 | Temperature Static Air                 |      |      | -36.7                                      |
| 2021-06-16 01:19:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-06-16 01:19:00 | Time GE Received                       |      |      | 02:51:43                                   |
| 2021-06-16 01:19:00 | Time Of Report                         |      |      | 01:19:00                                   |
| 2021-06-16 01:19:00 | Total Air Temperature Aircraft         |      |      | -9.3                                       |
| 2021-06-16 01:19:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-16 01:19:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-16 01:19:00 | Vibration N1 #1 Bearing                | 0.4  | 0.17 |                                            |
| 2021-06-16 01:19:00 | Vibration N1 Phase Angle #1 Bearing    | 29   | 103  |                                            |
| 2021-06-16 01:19:00 | Vibration N1 Phase Angle Turbine Frame | 31   | 132  |                                            |
| 2021-06-16 01:19:00 | Vibration N1 Turbine Frame             | 0.59 | 0.4  |                                            |
| 2021-06-16 01:19:00 | Vibration N2 #1 Bearing                | 0.07 | 0.13 |                                            |
| 2021-06-16 01:19:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-06-15 14:29:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-06-15 14:29:00 | (1)                                    |      |      | 360                                        |
| 2021-06-15 14:29:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-15 14:29:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-15 14:29:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-15 14:29:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-15 14:29:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-15 14:29:00 | Air Conditioning Pack 2                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-15 14:29:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-15 14:29:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-15 14:29:00 | Air Speed Indicated                    |      |      | 268.5                                      |
| 2021-06-15 14:29:00 | Aircraft Gross Weight                  |      |      | 64827                                      |
| 2021-06-15 14:29:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-15 14:29:00 | Altitude                               |      |      | 33101                                      |
| 2021-06-15 14:29:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-15 14:29:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-15 14:29:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-15 14:29:00 | Core Speed                             | 94.1 | 93.8 |                                            |
| 2021-06-15 14:29:00 | Date GE Received                       |      |      | 06/15/2021                                 |
| 2021-06-15 14:29:00 | Date of Report                         |      |      | 06/15/2021                                 |
| 2021-06-15 14:29:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-06-15 14:29:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-15 14:29:00 | Downlink Ground Station                |      |      | HGH                                        |
| 2021-06-15 14:29:00 | EGT Exhaust Gas Temperature            | 662  | 676  |                                            |
| 2021-06-15 14:29:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-15 14:29:00 | Flight Counter                         |      |      | 1385                                       |
| 2021-06-15 14:29:00 | Flight Number ACARS                    |      |      | 5360                                       |
| 2021-06-15 14:29:00 | Flight Number ACMS                     |      |      | 5360                                       |
| 2021-06-15 14:29:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-15 14:29:00 | Fuel Flow                              | 1231 | 1233 |                                            |
| 2021-06-15 14:29:00 | Ground Speed                           |      |      | 445.4                                      |
| 2021-06-15 14:29:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-15 14:29:00 | Leg                                    |      |      | 1                                          |
| 2021-06-15 14:29:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-06-15 14:29:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-15 14:29:00 | N1 Indicated Fan Speed                 | 88.1 | 88.1 |                                            |
| 2021-06-15 14:29:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-15 14:29:00 | Oil Temperature                        | 115  | 113  |                                            |
| 2021-06-15 14:29:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-15 14:29:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-15 14:29:00 | Temperature Static Air                 |      |      | -33.8                                      |
| 2021-06-15 14:29:00 | Throttle Lever Angle                   | 62.2 | 62.3 |                                            |
| 2021-06-15 14:29:00 | Time GE Received                       |      |      | 15:23:25                                   |
| 2021-06-15 14:29:00 | Time Of Report                         |      |      | 14:29:00                                   |
| 2021-06-15 14:29:00 | Total Air Temperature Aircraft         |      |      | -6.3                                       |
| 2021-06-15 14:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 14:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 14:29:00 | Vibration N1 #1 Bearing                | 0.55 | 0.15 |                                            |
| 2021-06-15 14:29:00 | Vibration N1 Phase Angle #1 Bearing    | 22   | 103  |                                            |
| 2021-06-15 14:29:00 | Vibration N1 Phase Angle Turbine Frame | 35   | 119  |                                            |
| 2021-06-15 14:29:00 | Vibration N1 Turbine Frame             | 0.91 | 0.41 |                                            |
| 2021-06-15 14:29:00 | Vibration N2 #1 Bearing                | 0.16 | 0.08 |                                            |
| 2021-06-15 14:29:00 | Vibration N2 Turbine Frame             | 0.09 | 0.06 |                                            |
| 2021-06-15 09:34:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-06-15 09:34:00 | (1)                                    |      |      | 351                                        |
| 2021-06-15 09:34:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-15 09:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-15 09:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-15 09:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-15 09:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-15 09:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-15 09:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-15 09:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-15 09:34:00 | Air Speed Indicated                    |      |      | 287.1                                      |
| 2021-06-15 09:34:00 | Aircraft Gross Weight                  |      |      | 62994                                      |
| 2021-06-15 09:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-15 09:34:00 | Altitude                               |      |      | 30103                                      |
| 2021-06-15 09:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-15 09:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-15 09:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-15 09:34:00 | Core Speed                             | 94.6 | 94.4 |                                            |
| 2021-06-15 09:34:00 | Date GE Received                       |      |      | 06/15/2021                                 |
| 2021-06-15 09:34:00 | Date of Report                         |      |      | 06/15/2021                                 |
| 2021-06-15 09:34:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-15 09:34:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-06-15 09:34:00 | Downlink Ground Station                |      |      | HKG                                        |
| 2021-06-15 09:34:00 | EGT Exhaust Gas Temperature            | 657  | 661  |                                            |
| 2021-06-15 09:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-15 09:34:00 | Flight Counter                         |      |      | 1060                                       |
| 2021-06-15 09:34:00 | Flight Number ACARS                    |      |      | 5351                                       |
| 2021-06-15 09:34:00 | Flight Number ACMS                     |      |      | 5351                                       |
| 2021-06-15 09:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-15 09:34:00 | Fuel Flow                              | 1302 | 1288 |                                            |
| 2021-06-15 09:34:00 | Ground Speed                           |      |      | 481.5                                      |
| 2021-06-15 09:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-15 09:34:00 | Leg                                    |      |      | 1                                          |
| 2021-06-15 09:34:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-06-15 09:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-15 09:34:00 | N1 Indicated Fan Speed                 | 86.8 | 86.8 |                                            |
| 2021-06-15 09:34:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-15 09:34:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-15 09:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-15 09:34:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-15 09:34:00 | Temperature Static Air                 |      |      | -27.3                                      |
| 2021-06-15 09:34:00 | Throttle Lever Angle                   | 62   | 61.9 |                                            |
| 2021-06-15 09:34:00 | Time GE Received                       |      |      | 10:45:36                                   |
| 2021-06-15 09:34:00 | Time Of Report                         |      |      | 09:34:00                                   |
| 2021-06-15 09:34:00 | Total Air Temperature Aircraft         |      |      | 1.5                                        |
| 2021-06-15 09:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 09:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 09:34:00 | Vibration N1 #1 Bearing                | 0.34 | 0.16 |                                            |
| 2021-06-15 09:34:00 | Vibration N1 Phase Angle #1 Bearing    | 22   | 103  |                                            |
| 2021-06-15 09:34:00 | Vibration N1 Phase Angle Turbine Frame | 23   | 112  |                                            |
| 2021-06-15 09:34:00 | Vibration N1 Turbine Frame             | 0.84 | 0.38 |                                            |
| 2021-06-15 09:34:00 | Vibration N2 #1 Bearing                | 0.06 | 0.19 |                                            |
| 2021-06-15 09:34:00 | Vibration N2 Turbine Frame             | 0.1  | 0.08 |                                            |
| 2021-06-15 05:58:00 | (1)                                    |      | 61.6 | 21                                         |
| 2021-06-15 05:58:00 | (1)                                    |      |      | 342                                        |
| 2021-06-15 05:58:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-15 05:58:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-15 05:58:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-15 05:58:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-15 05:58:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-15 05:58:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-15 05:58:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-15 05:58:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-15 05:58:00 | Air Speed Indicated                    |      |      | 277.5                                      |
| 2021-06-15 05:58:00 | Aircraft Gross Weight                  |      |      | 60345                                      |
| 2021-06-15 05:58:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-15 05:58:00 | Altitude                               |      |      | 31102                                      |
| 2021-06-15 05:58:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-15 05:58:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-15 05:58:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-15 05:58:00 | Core Speed                             | 94   | 94.1 |                                            |
| 2021-06-15 05:58:00 | Date GE Received                       |      |      | 06/15/2021                                 |
| 2021-06-15 05:58:00 | Date of Report                         |      |      | 06/15/2021                                 |
| 2021-06-15 05:58:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-06-15 05:58:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-15 05:58:00 | Downlink Ground Station                |      |      | HGH                                        |
| 2021-06-15 05:58:00 | EGT Exhaust Gas Temperature            | 651  | 654  |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-15 05:58:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-15 05:58:00 | Flight Counter                         |      |      | 1913                                       |
| 2021-06-15 05:58:00 | Flight Number ACARS                    |      |      | 5342                                       |
| 2021-06-15 05:58:00 | Flight Number ACMS                     |      |      | 5342                                       |
| 2021-06-15 05:58:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-15 05:58:00 | Fuel Flow                              | 1245 | 1231 |                                            |
| 2021-06-15 05:58:00 | Ground Speed                           |      |      | 444.5                                      |
| 2021-06-15 05:58:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-15 05:58:00 | Leg                                    |      |      | 1                                          |
| 2021-06-15 05:58:00 | Mach Number                            |      |      | 0.753                                      |
| 2021-06-15 05:58:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-15 05:58:00 | N1 Indicated Fan Speed                 | 86.6 | 86.7 |                                            |
| 2021-06-15 05:58:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-06-15 05:58:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-06-15 05:58:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-15 05:58:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-15 05:58:00 | Temperature Static Air                 |      |      | -29.8                                      |
| 2021-06-15 05:58:00 | Throttle Lever Angle                   | 61.5 | 61.6 |                                            |
| 2021-06-15 05:58:00 | Time GE Received                       |      |      | 07:07:35                                   |
| 2021-06-15 05:58:00 | Time Of Report                         |      |      | 05:58:00                                   |
| 2021-06-15 05:58:00 | Total Air Temperature Aircraft         |      |      | -2.3                                       |
| 2021-06-15 05:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 05:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 05:58:00 | Vibration N1 #1 Bearing                | 0.33 | 0.19 |                                            |
| 2021-06-15 05:58:00 | Vibration N1 Phase Angle #1 Bearing    | 6    | 124  |                                            |
| 2021-06-15 05:58:00 | Vibration N1 Phase Angle Turbine Frame | 19   | 130  |                                            |
| 2021-06-15 05:58:00 | Vibration N1 Turbine Frame             | 0.77 | 0.39 |                                            |
| 2021-06-15 05:58:00 | Vibration N2 #1 Bearing                | 0.06 | 0.11 |                                            |
| 2021-06-15 05:58:00 | Vibration N2 Turbine Frame             | 0.08 | 0.07 |                                            |
| 2021-06-15 01:45:00 | (1)                                    |      | 63.3 | 21                                         |
| 2021-06-15 01:45:00 | (1)                                    |      |      | 331                                        |
| 2021-06-15 01:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-15 01:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-15 01:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-15 01:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-15 01:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-15 01:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-15 01:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-15 01:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-15 01:45:00 | Air Speed Indicated                    |      |      | 265.4                                      |
| 2021-06-15 01:45:00 | Aircraft Gross Weight                  |      |      | 64083                                      |
| 2021-06-15 01:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-15 01:45:00 | Altitude                               |      |      | 34100                                      |
| 2021-06-15 01:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-15 01:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-15 01:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-15 01:45:00 | Core Speed                             | 94.7 | 94.4 |                                            |
| 2021-06-15 01:45:00 | Date GE Received                       |      |      | 06/15/2021                                 |
| 2021-06-15 01:45:00 | Date of Report                         |      |      | 06/15/2021                                 |
| 2021-06-15 01:45:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-15 01:45:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-06-15 01:45:00 | Downlink Ground Station                |      |      | HKG                                        |
| 2021-06-15 01:45:00 | EGT Exhaust Gas Temperature            | 676  | 690  |                                            |
| 2021-06-15 01:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-15 01:45:00 | Flight Counter                         |      |      | 2218                                       |
| 2021-06-15 01:45:00 | Flight Number ACARS                    |      |      | 5331                                       |
| 2021-06-15 01:45:00 | Flight Number ACMS                     |      |      | 5331                                       |
| 2021-06-15 01:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-15 01:45:00 | Fuel Flow                              | 1266 | 1270 |                                            |
| 2021-06-15 01:45:00 | Ground Speed                           |      |      | 476.9                                      |
| 2021-06-15 01:45:00 | Isolation valve left                   |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-15 01:45:00 | Leg                                    |      |      | 1                                          |
| 2021-06-15 01:45:00 | Mach Number                            |      |      | 0.768                                      |
| 2021-06-15 01:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-15 01:45:00 | N1 Indicated Fan Speed                 | 89.7 | 89.6 |                                            |
| 2021-06-15 01:45:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-15 01:45:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-06-15 01:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-15 01:45:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-15 01:45:00 | Temperature Static Air                 |      |      | -35.8                                      |
| 2021-06-15 01:45:00 | Throttle Lever Angle                   | 63.3 | 63.3 |                                            |
| 2021-06-15 01:45:00 | Time GE Received                       |      |      | 02:45:49                                   |
| 2021-06-15 01:45:00 | Time Of Report                         |      |      | 01:45:00                                   |
| 2021-06-15 01:45:00 | Total Air Temperature Aircraft         |      |      | -7.8                                       |
| 2021-06-15 01:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 01:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-15 01:45:00 | Vibration N1 #1 Bearing                | 0.48 | 0.18 |                                            |
| 2021-06-15 01:45:00 | Vibration N1 Phase Angle #1 Bearing    | 34   | 134  |                                            |
| 2021-06-15 01:45:00 | Vibration N1 Phase Angle Turbine Frame | 29   | 150  |                                            |
| 2021-06-15 01:45:00 | Vibration N1 Turbine Frame             | 0.79 | 0.32 |                                            |
| 2021-06-15 01:45:00 | Vibration N2 #1 Bearing                | 0.12 | 0.11 |                                            |
| 2021-06-15 01:45:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-06-14 14:21:00 | (1)                                    |      | 61.1 | 21                                         |
| 2021-06-14 14:21:00 | (1)                                    |      |      | 360                                        |
| 2021-06-14 14:21:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-14 14:21:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-14 14:21:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-14 14:21:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-14 14:21:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-14 14:21:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-14 14:21:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-14 14:21:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-14 14:21:00 | Air Speed Indicated                    |      |      | 257.4                                      |
| 2021-06-14 14:21:00 | Aircraft Gross Weight                  |      |      | 60599                                      |
| 2021-06-14 14:21:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-14 14:21:00 | Altitude                               |      |      | 35100                                      |
| 2021-06-14 14:21:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-14 14:21:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-14 14:21:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-14 14:21:00 | Core Speed                             | 92.9 | 92.8 |                                            |
| 2021-06-14 14:21:00 | Date GE Received                       |      |      | 06/14/2021                                 |
| 2021-06-14 14:21:00 | Date of Report                         |      |      | 06/14/2021                                 |
| 2021-06-14 14:21:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-06-14 14:21:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-14 14:21:00 | Downlink Ground Station                |      |      | HGH                                        |
| 2021-06-14 14:21:00 | EGT Exhaust Gas Temperature            | 639  | 654  |                                            |
| 2021-06-14 14:21:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-14 14:21:00 | Flight Counter                         |      |      | 1545                                       |
| 2021-06-14 14:21:00 | Flight Number ACARS                    |      |      | 5360                                       |
| 2021-06-14 14:21:00 | Flight Number ACMS                     |      |      | 5360                                       |
| 2021-06-14 14:21:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-14 14:21:00 | Fuel Flow                              | 1099 | 1101 |                                            |
| 2021-06-14 14:21:00 | Ground Speed                           |      |      | 433.4                                      |
| 2021-06-14 14:21:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-14 14:21:00 | Leg                                    |      |      | 1                                          |
| 2021-06-14 14:21:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-06-14 14:21:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-14 14:21:00 | N1 Indicated Fan Speed                 | 86.7 | 86.8 |                                            |
| 2021-06-14 14:21:00 | Oil Pressure                           | 43   | 45   |                                            |
| 2021-06-14 14:21:00 | Oil Temperature                        | 116  | 115  |                                            |
| 2021-06-14 14:21:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-14 14:21:00 | Software ID ACMS                       |      |      | A85 28                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-14 14:21:00 | Temperature Static Air                 |      |      | -40.3                                      |
| 2021-06-14 14:21:00 | Throttle Lever Angle                   | 61.1 | 61.1 |                                            |
| 2021-06-14 14:21:00 | Time GE Received                       |      |      | 15:23:46                                   |
| 2021-06-14 14:21:00 | Time Of Report                         |      |      | 14:21:00                                   |
| 2021-06-14 14:21:00 | Total Air Temperature Aircraft         |      |      | -13.2                                      |
| 2021-06-14 14:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 14:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 14:21:00 | Vibration N1 #1 Bearing                | 0.36 | 0.11 |                                            |
| 2021-06-14 14:21:00 | Vibration N1 Phase Angle #1 Bearing    | 11   | 92   |                                            |
| 2021-06-14 14:21:00 | Vibration N1 Phase Angle Turbine Frame | 25   | 107  |                                            |
| 2021-06-14 14:21:00 | Vibration N1 Turbine Frame             | 0.93 | 0.37 |                                            |
| 2021-06-14 14:21:00 | Vibration N2 #1 Bearing                | 0.08 | 0.07 |                                            |
| 2021-06-14 14:21:00 | Vibration N2 Turbine Frame             | 0.05 | 0.1  |                                            |
| 2021-06-14 11:44:00 | (1)                                    |      | 61.7 | 21                                         |
| 2021-06-14 11:44:00 | (1)                                    |      |      | 351                                        |
| 2021-06-14 11:44:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-14 11:44:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-14 11:44:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-14 11:44:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-14 11:44:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-14 11:44:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-14 11:44:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-14 11:44:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-14 11:44:00 | Air Speed Indicated                    |      |      | 281.9                                      |
| 2021-06-14 11:44:00 | Aircraft Gross Weight                  |      |      | 63176                                      |
| 2021-06-14 11:44:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-14 11:44:00 | Altitude                               |      |      | 30096                                      |
| 2021-06-14 11:44:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-14 11:44:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-14 11:44:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-14 11:44:00 | Core Speed                             | 94.1 | 94   |                                            |
| 2021-06-14 11:44:00 | Date GE Received                       |      |      | 06/14/2021                                 |
| 2021-06-14 11:44:00 | Date of Report                         |      |      | 06/14/2021                                 |
| 2021-06-14 11:44:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-14 11:44:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-06-14 11:44:00 | Downlink Ground Station                |      |      | HKG                                        |
| 2021-06-14 11:44:00 | EGT Exhaust Gas Temperature            | 652  | 656  |                                            |
| 2021-06-14 11:44:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-14 11:44:00 | Flight Counter                         |      |      | 3286                                       |
| 2021-06-14 11:44:00 | Flight Number ACARS                    |      |      | 5351                                       |
| 2021-06-14 11:44:00 | Flight Number ACMS                     |      |      | 5351                                       |
| 2021-06-14 11:44:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-14 11:44:00 | Fuel Flow                              | 1286 | 1275 |                                            |
| 2021-06-14 11:44:00 | Ground Speed                           |      |      | 462.5                                      |
| 2021-06-14 11:44:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-14 11:44:00 | Leg                                    |      |      | 1                                          |
| 2021-06-14 11:44:00 | Mach Number                            |      |      | 0.748                                      |
| 2021-06-14 11:44:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-14 11:44:00 | N1 Indicated Fan Speed                 | 86.7 | 86.7 |                                            |
| 2021-06-14 11:44:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-06-14 11:44:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-14 11:44:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-14 11:44:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-14 11:44:00 | Temperature Static Air                 |      |      | -27.7                                      |
| 2021-06-14 11:44:00 | Throttle Lever Angle                   | 61.7 | 61.7 |                                            |
| 2021-06-14 11:44:00 | Time GE Received                       |      |      | 12:16:29                                   |
| 2021-06-14 11:44:00 | Time Of Report                         |      |      | 11:44:00                                   |
| 2021-06-14 11:44:00 | Total Air Temperature Aircraft         |      |      | -0.3                                       |
| 2021-06-14 11:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 11:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 11:44:00 | Vibration N1 #1 Bearing                | 0.23 | 0.18 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-14 11:44:00 | Vibration N1 Phase Angle #1 Bearing    | 0    | 128  |                                            |
| 2021-06-14 11:44:00 | Vibration N1 Phase Angle Turbine Frame | 16   | 134  |                                            |
| 2021-06-14 11:44:00 | Vibration N1 Turbine Frame             | 0.53 | 0.36 |                                            |
| 2021-06-14 11:44:00 | Vibration N2 #1 Bearing                | 0.02 | 0.18 |                                            |
| 2021-06-14 11:44:00 | Vibration N2 Turbine Frame             | 0.05 | 0.12 |                                            |
| 2021-06-14 06:09:00 | (1)                                    |      | 61.8 | 21                                         |
| 2021-06-14 06:09:00 | (1)                                    |      |      | 342                                        |
| 2021-06-14 06:09:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-14 06:09:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-14 06:09:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-14 06:09:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-14 06:09:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-14 06:09:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-14 06:09:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-14 06:09:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-14 06:09:00 | Air Speed Indicated                    |      |      | 278.1                                      |
| 2021-06-14 06:09:00 | Aircraft Gross Weight                  |      |      | 62414                                      |
| 2021-06-14 06:09:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-14 06:09:00 | Altitude                               |      |      | 31102                                      |
| 2021-06-14 06:09:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-14 06:09:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-14 06:09:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-14 06:09:00 | Core Speed                             | 94.2 | 94.1 |                                            |
| 2021-06-14 06:09:00 | Date GE Received                       |      |      | 06/14/2021                                 |
| 2021-06-14 06:09:00 | Date of Report                         |      |      | 06/14/2021                                 |
| 2021-06-14 06:09:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-06-14 06:09:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-14 06:09:00 | Downlink Ground Station                |      |      | HGH                                        |
| 2021-06-14 06:09:00 | EGT Exhaust Gas Temperature            | 653  | 656  |                                            |
| 2021-06-14 06:09:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-14 06:09:00 | Flight Counter                         |      |      | 2355                                       |
| 2021-06-14 06:09:00 | Flight Number ACARS                    |      |      | 5342                                       |
| 2021-06-14 06:09:00 | Flight Number ACMS                     |      |      | 5342                                       |
| 2021-06-14 06:09:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-14 06:09:00 | Fuel Flow                              | 1262 | 1248 |                                            |
| 2021-06-14 06:09:00 | Ground Speed                           |      |      | 452                                        |
| 2021-06-14 06:09:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-14 06:09:00 | Leg                                    |      |      | 1                                          |
| 2021-06-14 06:09:00 | Mach Number                            |      |      | 0.754                                      |
| 2021-06-14 06:09:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-14 06:09:00 | N1 Indicated Fan Speed                 | 87   | 86.9 |                                            |
| 2021-06-14 06:09:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-14 06:09:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-06-14 06:09:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-14 06:09:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-14 06:09:00 | Temperature Static Air                 |      |      | -30                                        |
| 2021-06-14 06:09:00 | Throttle Lever Angle                   | 61.8 | 61.8 |                                            |
| 2021-06-14 06:09:00 | Time GE Received                       |      |      | 07:08:27                                   |
| 2021-06-14 06:09:00 | Time Of Report                         |      |      | 06:09:00                                   |
| 2021-06-14 06:09:00 | Total Air Temperature Aircraft         |      |      | -2.3                                       |
| 2021-06-14 06:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 06:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 06:09:00 | Vibration N1 #1 Bearing                | 0.24 | 0.21 |                                            |
| 2021-06-14 06:09:00 | Vibration N1 Phase Angle #1 Bearing    | 12   | 119  |                                            |
| 2021-06-14 06:09:00 | Vibration N1 Phase Angle Turbine Frame | 16   | 127  |                                            |
| 2021-06-14 06:09:00 | Vibration N1 Turbine Frame             | 0.72 | 0.43 |                                            |
| 2021-06-14 06:09:00 | Vibration N2 #1 Bearing                | 0.05 | 0.08 |                                            |
| 2021-06-14 06:09:00 | Vibration N2 Turbine Frame             | 0.07 | 0.06 |                                            |
| 2021-06-14 01:34:00 | (1)                                    |      | 60.7 | 21                                         |
| 2021-06-14 01:34:00 | (1)                                    |      |      | 331                                        |
| 2021-06-14 01:34:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-14 01:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-14 01:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-14 01:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-14 01:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-14 01:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-14 01:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-14 01:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-14 01:34:00 | Air Speed Indicated                    |      |      | 265.3                                      |
| 2021-06-14 01:34:00 | Aircraft Gross Weight                  |      |      | 62795                                      |
| 2021-06-14 01:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-14 01:34:00 | Altitude                               |      |      | 32102                                      |
| 2021-06-14 01:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-14 01:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-14 01:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-14 01:34:00 | Core Speed                             | 92.8 | 92.7 |                                            |
| 2021-06-14 01:34:00 | Date GE Received                       |      |      | 06/14/2021                                 |
| 2021-06-14 01:34:00 | Date of Report                         |      |      | 06/14/2021                                 |
| 2021-06-14 01:34:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-14 01:34:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-06-14 01:34:00 | Downlink Ground Station                |      |      | HKG                                        |
| 2021-06-14 01:34:00 | EGT Exhaust Gas Temperature            | 646  | 657  |                                            |
| 2021-06-14 01:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-14 01:34:00 | Flight Counter                         |      |      | 2337                                       |
| 2021-06-14 01:34:00 | Flight Number ACARS                    |      |      | 5331                                       |
| 2021-06-14 01:34:00 | Flight Number ACMS                     |      |      | 5331                                       |
| 2021-06-14 01:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-14 01:34:00 | Fuel Flow                              | 1193 | 1184 |                                            |
| 2021-06-14 01:34:00 | Ground Speed                           |      |      | 453.4                                      |
| 2021-06-14 01:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-14 01:34:00 | Leg                                    |      |      | 1                                          |
| 2021-06-14 01:34:00 | Mach Number                            |      |      | 0.737                                      |
| 2021-06-14 01:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-14 01:34:00 | N1 Indicated Fan Speed                 | 86.1 | 86.1 |                                            |
| 2021-06-14 01:34:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-06-14 01:34:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-06-14 01:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-14 01:34:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-14 01:34:00 | Temperature Static Air                 |      |      | -35.2                                      |
| 2021-06-14 01:34:00 | Throttle Lever Angle                   | 60.7 | 60.7 |                                            |
| 2021-06-14 01:34:00 | Time GE Received                       |      |      | 02:48:41                                   |
| 2021-06-14 01:34:00 | Time Of Report                         |      |      | 01:34:00                                   |
| 2021-06-14 01:34:00 | Total Air Temperature Aircraft         |      |      | -9.5                                       |
| 2021-06-14 01:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 01:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-14 01:34:00 | Vibration N1 #1 Bearing                | 0.59 | 0.07 |                                            |
| 2021-06-14 01:34:00 | Vibration N1 Phase Angle #1 Bearing    | 358  | 96   |                                            |
| 2021-06-14 01:34:00 | Vibration N1 Phase Angle Turbine Frame | 29   | 85   |                                            |
| 2021-06-14 01:34:00 | Vibration N1 Turbine Frame             | 0.87 | 0.3  |                                            |
| 2021-06-14 01:34:00 | Vibration N2 #1 Bearing                | 0.1  | 0.09 |                                            |
| 2021-06-14 01:34:00 | Vibration N2 Turbine Frame             | 0.05 | 0.11 |                                            |
| 2021-06-13 13:13:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-06-13 13:13:00 | (1)                                    |      |      | 813                                        |
| 2021-06-13 13:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-13 13:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-13 13:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-13 13:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-13 13:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-13 13:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-13 13:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-13 13:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-13 13:13:00 | Air Speed Indicated                    |      |      | 266.1                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-13 13:13:00 | Aircraft Gross Weight                  |      |      | 65299                                      |
| 2021-06-13 13:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-13 13:13:00 | Altitude                               |      |      | 35112                                      |
| 2021-06-13 13:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-13 13:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-13 13:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-13 13:13:00 | Core Speed                             | 94.3 | 94.2 |                                            |
| 2021-06-13 13:13:00 | Date GE Received                       |      |      | 06/13/2021                                 |
| 2021-06-13 13:13:00 | Date of Report                         |      |      | 06/13/2021                                 |
| 2021-06-13 13:13:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-13 13:13:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-13 13:13:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-06-13 13:13:00 | EGT Exhaust Gas Temperature            | 672  | 687  |                                            |
| 2021-06-13 13:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-13 13:13:00 | Flight Counter                         |      |      | 1825                                       |
| 2021-06-13 13:13:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-06-13 13:13:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-06-13 13:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-13 13:13:00 | Fuel Flow                              | 1221 | 1216 |                                            |
| 2021-06-13 13:13:00 | Ground Speed                           |      |      | 465.2                                      |
| 2021-06-13 13:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-13 13:13:00 | Leg                                    |      |      | 1                                          |
| 2021-06-13 13:13:00 | Mach Number                            |      |      | 0.786                                      |
| 2021-06-13 13:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-13 13:13:00 | N1 Indicated Fan Speed                 | 89.3 | 89.3 |                                            |
| 2021-06-13 13:13:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-13 13:13:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-06-13 13:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-13 13:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-13 13:13:00 | Temperature Static Air                 |      |      | -38.8                                      |
| 2021-06-13 13:13:00 | Throttle Lever Angle                   | 63   | 62.9 |                                            |
| 2021-06-13 13:13:00 | Time GE Received                       |      |      | 15:08:15                                   |
| 2021-06-13 13:13:00 | Time Of Report                         |      |      | 13:13:00                                   |
| 2021-06-13 13:13:00 | Total Air Temperature Aircraft         |      |      | -9.8                                       |
| 2021-06-13 13:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 13:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 13:13:00 | Vibration N1 #1 Bearing                | 0.48 | 0.12 |                                            |
| 2021-06-13 13:13:00 | Vibration N1 Phase Angle #1 Bearing    | 37   | 79   |                                            |
| 2021-06-13 13:13:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 108  |                                            |
| 2021-06-13 13:13:00 | Vibration N1 Turbine Frame             | 0.67 | 0.39 |                                            |
| 2021-06-13 13:13:00 | Vibration N2 #1 Bearing                | 0.06 | 0.17 |                                            |
| 2021-06-13 13:13:00 | Vibration N2 Turbine Frame             | 0.09 | 0.09 |                                            |
| 2021-06-13 09:29:00 | (1)                                    |      | 63.5 | 21                                         |
| 2021-06-13 09:29:00 | (1)                                    |      |      | 736                                        |
| 2021-06-13 09:29:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-13 09:29:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-13 09:29:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-13 09:29:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-13 09:29:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-13 09:29:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-13 09:29:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-13 09:29:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-13 09:29:00 | Air Speed Indicated                    |      |      | 276.4                                      |
| 2021-06-13 09:29:00 | Aircraft Gross Weight                  |      |      | 66551                                      |
| 2021-06-13 09:29:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-13 09:29:00 | Altitude                               |      |      | 32099                                      |
| 2021-06-13 09:29:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-13 09:29:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-13 09:29:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-13 09:29:00 | Core Speed                             | 94.9 | 94.8 |                                            |
| 2021-06-13 09:29:00 | Date GE Received                       |      |      | 06/13/2021                                 |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-13 09:29:00 | Date of Report                         |      |      | 06/13/2021                                 |
| 2021-06-13 09:29:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-06-13 09:29:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-13 09:29:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-13 09:29:00 | EGT Exhaust Gas Temperature            | 677  | 684  |                                            |
| 2021-06-13 09:29:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-13 09:29:00 | Flight Counter                         |      |      | 1894                                       |
| 2021-06-13 09:29:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-06-13 09:29:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-06-13 09:29:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-13 09:29:00 | Fuel Flow                              | 1331 | 1316 |                                            |
| 2021-06-13 09:29:00 | Ground Speed                           |      |      | 464.4                                      |
| 2021-06-13 09:29:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-13 09:29:00 | Leg                                    |      |      | 1                                          |
| 2021-06-13 09:29:00 | Mach Number                            |      |      | 0.765                                      |
| 2021-06-13 09:29:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-13 09:29:00 | N1 Indicated Fan Speed                 | 88.7 | 88.8 |                                            |
| 2021-06-13 09:29:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-13 09:29:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-06-13 09:29:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-13 09:29:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-13 09:29:00 | Temperature Static Air                 |      |      | -31.7                                      |
| 2021-06-13 09:29:00 | Throttle Lever Angle                   | 63.4 | 63.5 |                                            |
| 2021-06-13 09:29:00 | Time GE Received                       |      |      | 10:42:39                                   |
| 2021-06-13 09:29:00 | Time Of Report                         |      |      | 09:29:00                                   |
| 2021-06-13 09:29:00 | Total Air Temperature Aircraft         |      |      | -3.5                                       |
| 2021-06-13 09:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 09:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 09:29:00 | Vibration N1 #1 Bearing                | 0.5  | 0.31 |                                            |
| 2021-06-13 09:29:00 | Vibration N1 Phase Angle #1 Bearing    | 32   | 91   |                                            |
| 2021-06-13 09:29:00 | Vibration N1 Phase Angle Turbine Frame | 32   | 114  |                                            |
| 2021-06-13 09:29:00 | Vibration N1 Turbine Frame             | 0.65 | 0.5  |                                            |
| 2021-06-13 09:29:00 | Vibration N2 #1 Bearing                | 0.06 | 0.15 |                                            |
| 2021-06-13 09:29:00 | Vibration N2 Turbine Frame             | 0.05 | 0.05 |                                            |
| 2021-06-13 05:30:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-06-13 05:30:00 | (1)                                    |      |      | 735                                        |
| 2021-06-13 05:30:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-13 05:30:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-13 05:30:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-13 05:30:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-13 05:30:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-13 05:30:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-13 05:30:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-13 05:30:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-13 05:30:00 | Air Speed Indicated                    |      |      | 289.3                                      |
| 2021-06-13 05:30:00 | Aircraft Gross Weight                  |      |      | 66950                                      |
| 2021-06-13 05:30:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-13 05:30:00 | Altitude                               |      |      | 29101                                      |
| 2021-06-13 05:30:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-13 05:30:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-13 05:30:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-13 05:30:00 | Core Speed                             | 95.2 | 95.1 |                                            |
| 2021-06-13 05:30:00 | Date GE Received                       |      |      | 06/13/2021                                 |
| 2021-06-13 05:30:00 | Date of Report                         |      |      | 06/13/2021                                 |
| 2021-06-13 05:30:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-13 05:30:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-06-13 05:30:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-06-13 05:30:00 | EGT Exhaust Gas Temperature            | 669  | 675  |                                            |
| 2021-06-13 05:30:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-13 05:30:00 | Flight Counter                         |      |      | 2410                                       |
| 2021-06-13 05:30:00 | Flight Number ACARS                    |      |      | 5735                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-13 05:30:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-06-13 05:30:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-13 05:30:00 | Fuel Flow                              | 1380 | 1363 |                                            |
| 2021-06-13 05:30:00 | Ground Speed                           |      |      | 445.4                                      |
| 2021-06-13 05:30:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-13 05:30:00 | Leg                                    |      |      | 1                                          |
| 2021-06-13 05:30:00 | Mach Number                            |      |      | 0.751                                      |
| 2021-06-13 05:30:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-13 05:30:00 | N1 Indicated Fan Speed                 | 87.7 | 87.7 |                                            |
| 2021-06-13 05:30:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-13 05:30:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-13 05:30:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-13 05:30:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-13 05:30:00 | Temperature Static Air                 |      |      | -23.8                                      |
| 2021-06-13 05:30:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-06-13 05:30:00 | Time GE Received                       |      |      | 10:06:45                                   |
| 2021-06-13 05:30:00 | Time Of Report                         |      |      | 05:30:00                                   |
| 2021-06-13 05:30:00 | Total Air Temperature Aircraft         |      |      | 4.3                                        |
| 2021-06-13 05:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 05:30:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 05:30:00 | Vibration N1 #1 Bearing                | 0.34 | 0.23 |                                            |
| 2021-06-13 05:30:00 | Vibration N1 Phase Angle #1 Bearing    | 32   | 96   |                                            |
| 2021-06-13 05:30:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 111  |                                            |
| 2021-06-13 05:30:00 | Vibration N1 Turbine Frame             | 0.67 | 0.45 |                                            |
| 2021-06-13 05:30:00 | Vibration N2 #1 Bearing                | 0.09 | 0.2  |                                            |
| 2021-06-13 05:30:00 | Vibration N2 Turbine Frame             | 0.1  | 0.03 |                                            |
| 2021-06-13 00:48:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-06-13 00:48:00 | (1)                                    |      |      | 814                                        |
| 2021-06-13 00:48:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-13 00:48:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-13 00:48:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-13 00:48:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-13 00:48:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-13 00:48:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-13 00:48:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-13 00:48:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-13 00:48:00 | Air Speed Indicated                    |      |      | 260.7                                      |
| 2021-06-13 00:48:00 | Aircraft Gross Weight                  |      |      | 67639                                      |
| 2021-06-13 00:48:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-13 00:48:00 | Altitude                               |      |      | 34103                                      |
| 2021-06-13 00:48:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-13 00:48:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-13 00:48:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-13 00:48:00 | Core Speed                             | 93.4 | 93.2 |                                            |
| 2021-06-13 00:48:00 | Date GE Received                       |      |      | 06/13/2021                                 |
| 2021-06-13 00:48:00 | Date of Report                         |      |      | 06/13/2021                                 |
| 2021-06-13 00:48:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-13 00:48:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-13 00:48:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-13 00:48:00 | EGT Exhaust Gas Temperature            | 654  | 668  |                                            |
| 2021-06-13 00:48:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-13 00:48:00 | Flight Counter                         |      |      | 2279                                       |
| 2021-06-13 00:48:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-06-13 00:48:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-06-13 00:48:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-13 00:48:00 | Fuel Flow                              | 1201 | 1200 |                                            |
| 2021-06-13 00:48:00 | Ground Speed                           |      |      | 451.5                                      |
| 2021-06-13 00:48:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-13 00:48:00 | Leg                                    |      |      | 1                                          |
| 2021-06-13 00:48:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-06-13 00:48:00 | Message Type                           |      |      | CES B737NG CRZ                             |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-13 00:48:00 | N1 Indicated Fan Speed                 | 87.9 | 87.9 |                                            |
| 2021-06-13 00:48:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-13 00:48:00 | Oil Temperature                        | 110  | 108  |                                            |
| 2021-06-13 00:48:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-13 00:48:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-13 00:48:00 | Temperature Static Air                 |      |      | -38.3                                      |
| 2021-06-13 00:48:00 | Throttle Lever Angle                   | 62   | 61.9 |                                            |
| 2021-06-13 00:48:00 | Time GE Received                       |      |      | 02:15:47                                   |
| 2021-06-13 00:48:00 | Time Of Report                         |      |      | 00:48:00                                   |
| 2021-06-13 00:48:00 | Total Air Temperature Aircraft         |      |      | -11.5                                      |
| 2021-06-13 00:48:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 00:48:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-13 00:48:00 | Vibration N1 #1 Bearing                | 0.33 | 0.12 |                                            |
| 2021-06-13 00:48:00 | Vibration N1 Phase Angle #1 Bearing    | 15   | 131  |                                            |
| 2021-06-13 00:48:00 | Vibration N1 Phase Angle Turbine Frame | 26   | 114  |                                            |
| 2021-06-13 00:48:00 | Vibration N1 Turbine Frame             | 0.52 | 0.25 |                                            |
| 2021-06-13 00:48:00 | Vibration N2 #1 Bearing                | 0.06 | 0.04 |                                            |
| 2021-06-13 00:48:00 | Vibration N2 Turbine Frame             | 0.07 | 0.05 |                                            |
| 2021-06-12 13:04:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-06-12 13:04:00 | (1)                                    |      |      | 813                                        |
| 2021-06-12 13:04:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-12 13:04:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-12 13:04:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-12 13:04:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-12 13:04:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-12 13:04:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-12 13:04:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-12 13:04:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-12 13:04:00 | Air Speed Indicated                    |      |      | 256.9                                      |
| 2021-06-12 13:04:00 | Aircraft Gross Weight                  |      |      | 61071                                      |
| 2021-06-12 13:04:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-12 13:04:00 | Altitude                               |      |      | 35109                                      |
| 2021-06-12 13:04:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-12 13:04:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-12 13:04:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-12 13:04:00 | Core Speed                             | 93.2 | 92.9 |                                            |
| 2021-06-12 13:04:00 | Date GE Received                       |      |      | 06/12/2021                                 |
| 2021-06-12 13:04:00 | Date of Report                         |      |      | 06/12/2021                                 |
| 2021-06-12 13:04:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-12 13:04:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-12 13:04:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-06-12 13:04:00 | EGT Exhaust Gas Temperature            | 647  | 668  |                                            |
| 2021-06-12 13:04:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-12 13:04:00 | Flight Counter                         |      |      | 177                                        |
| 2021-06-12 13:04:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-06-12 13:04:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-06-12 13:04:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-12 13:04:00 | Fuel Flow                              | 1125 | 1121 |                                            |
| 2021-06-12 13:04:00 | Ground Speed                           |      |      | 450.1                                      |
| 2021-06-12 13:04:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-12 13:04:00 | Leg                                    |      |      | 1                                          |
| 2021-06-12 13:04:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-06-12 13:04:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-12 13:04:00 | N1 Indicated Fan Speed                 | 87.4 | 87.3 |                                            |
| 2021-06-12 13:04:00 | Oil Pressure                           | 43   | 46   |                                            |
| 2021-06-12 13:04:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-06-12 13:04:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-12 13:04:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-12 13:04:00 | Temperature Static Air                 |      |      | -39.8                                      |
| 2021-06-12 13:04:00 | Throttle Lever Angle                   | 61.6 | 61.5 |                                            |
| 2021-06-12 13:04:00 | Time GE Received                       |      |      | 15:04:39                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-12 13:04:00 | Time Of Report                         |      |      | 13:04:00                                   |
| 2021-06-12 13:04:00 | Total Air Temperature Aircraft         |      |      | -12.7                                      |
| 2021-06-12 13:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 13:04:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 13:04:00 | Vibration N1 #1 Bearing                | 0.48 | 0.15 |                                            |
| 2021-06-12 13:04:00 | Vibration N1 Phase Angle #1 Bearing    | 10   | 50   |                                            |
| 2021-06-12 13:04:00 | Vibration N1 Phase Angle Turbine Frame | 38   | 81   |                                            |
| 2021-06-12 13:04:00 | Vibration N1 Turbine Frame             | 0.86 | 0.42 |                                            |
| 2021-06-12 13:04:00 | Vibration N2 #1 Bearing                | 0.1  | 0.09 |                                            |
| 2021-06-12 13:04:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-06-12 09:12:00 | (1)                                    |      |      | 62.6                                       |
| 2021-06-12 09:12:00 | (1)                                    |      |      | 21                                         |
| 2021-06-12 09:12:00 | A/I Valve Position Nacelle             | 0    | 0    | 736                                        |
| 2021-06-12 09:12:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-12 09:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-12 09:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-12 09:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-12 09:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-12 09:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-12 09:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-12 09:12:00 | Air Speed Indicated                    |      |      | 264.5                                      |
| 2021-06-12 09:12:00 | Aircraft Gross Weight                  |      |      | 65825                                      |
| 2021-06-12 09:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-12 09:12:00 | Altitude                               |      |      | 34107                                      |
| 2021-06-12 09:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-12 09:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-12 09:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-12 09:12:00 | Core Speed                             | 94.3 | 94   |                                            |
| 2021-06-12 09:12:00 | Date GE Received                       |      |      | 06/12/2021                                 |
| 2021-06-12 09:12:00 | Date of Report                         |      |      | 06/12/2021                                 |
| 2021-06-12 09:12:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-06-12 09:12:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-12 09:12:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-12 09:12:00 | EGT Exhaust Gas Temperature            | 663  | 681  |                                            |
| 2021-06-12 09:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-12 09:12:00 | Flight Counter                         |      |      | 793                                        |
| 2021-06-12 09:12:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-06-12 09:12:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-06-12 09:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-12 09:12:00 | Fuel Flow                              | 1225 | 1219 |                                            |
| 2021-06-12 09:12:00 | Ground Speed                           |      |      | 474.1                                      |
| 2021-06-12 09:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-12 09:12:00 | Leg                                    |      |      | 1                                          |
| 2021-06-12 09:12:00 | Mach Number                            |      |      | 0.765                                      |
| 2021-06-12 09:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-12 09:12:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-06-12 09:12:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-12 09:12:00 | Oil Temperature                        | 117  | 115  |                                            |
| 2021-06-12 09:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-12 09:12:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-12 09:12:00 | Temperature Static Air                 |      |      | -36                                        |
| 2021-06-12 09:12:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-06-12 09:12:00 | Time GE Received                       |      |      | 10:13:26                                   |
| 2021-06-12 09:12:00 | Time Of Report                         |      |      | 09:12:00                                   |
| 2021-06-12 09:12:00 | Total Air Temperature Aircraft         |      |      | -8.3                                       |
| 2021-06-12 09:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 09:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 09:12:00 | Vibration N1 #1 Bearing                | 0.3  | 0.14 |                                            |
| 2021-06-12 09:12:00 | Vibration N1 Phase Angle #1 Bearing    | 48   | 81   |                                            |
| 2021-06-12 09:12:00 | Vibration N1 Phase Angle Turbine Frame | 37   | 103  |                                            |
| 2021-06-12 09:12:00 | Vibration N1 Turbine Frame             | 0.67 | 0.48 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-12 09:12:00 | Vibration N2 #1 Bearing                | 0.06 | 0.12 |                                            |
| 2021-06-12 09:12:00 | Vibration N2 Turbine Frame             | 0.04 | 0.07 |                                            |
| 2021-06-12 05:20:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-06-12 05:20:00 | (1)                                    |      |      | 735                                        |
| 2021-06-12 05:20:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-12 05:20:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-12 05:20:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-12 05:20:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-12 05:20:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-12 05:20:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-12 05:20:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-12 05:20:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-12 05:20:00 | Air Speed Indicated                    |      |      | 287.9                                      |
| 2021-06-12 05:20:00 | Aircraft Gross Weight                  |      |      | 66460                                      |
| 2021-06-12 05:20:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-12 05:20:00 | Altitude                               |      |      | 29100                                      |
| 2021-06-12 05:20:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-12 05:20:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-12 05:20:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-12 05:20:00 | Core Speed                             | 94.8 | 94.7 |                                            |
| 2021-06-12 05:20:00 | Date GE Received                       |      |      | 06/12/2021                                 |
| 2021-06-12 05:20:00 | Date of Report                         |      |      | 06/12/2021                                 |
| 2021-06-12 05:20:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-12 05:20:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-06-12 05:20:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-06-12 05:20:00 | EGT Exhaust Gas Temperature            | 654  | 665  |                                            |
| 2021-06-12 05:20:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-12 05:20:00 | Flight Counter                         |      |      | 1399                                       |
| 2021-06-12 05:20:00 | Flight Number ACARS                    |      |      | 5735                                       |
| 2021-06-12 05:20:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-06-12 05:20:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-12 05:20:00 | Fuel Flow                              | 1330 | 1319 |                                            |
| 2021-06-12 05:20:00 | Ground Speed                           |      |      | 456.1                                      |
| 2021-06-12 05:20:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-12 05:20:00 | Leg                                    |      |      | 1                                          |
| 2021-06-12 05:20:00 | Mach Number                            |      |      | 0.748                                      |
| 2021-06-12 05:20:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-12 05:20:00 | N1 Indicated Fan Speed                 | 86.9 | 86.9 |                                            |
| 2021-06-12 05:20:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-06-12 05:20:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-06-12 05:20:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-12 05:20:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-12 05:20:00 | Temperature Static Air                 |      |      | -23.8                                      |
| 2021-06-12 05:20:00 | Throttle Lever Angle                   | 62.2 | 62.2 |                                            |
| 2021-06-12 05:20:00 | Time GE Received                       |      |      | 09:12:14                                   |
| 2021-06-12 05:20:00 | Time Of Report                         |      |      | 05:20:00                                   |
| 2021-06-12 05:20:00 | Total Air Temperature Aircraft         |      |      | 4.3                                        |
| 2021-06-12 05:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 05:20:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 05:20:00 | Vibration N1 #1 Bearing                | 0.35 | 0.17 |                                            |
| 2021-06-12 05:20:00 | Vibration N1 Phase Angle #1 Bearing    | 24   | 90   |                                            |
| 2021-06-12 05:20:00 | Vibration N1 Phase Angle Turbine Frame | 35   | 103  |                                            |
| 2021-06-12 05:20:00 | Vibration N1 Turbine Frame             | 0.56 | 0.37 |                                            |
| 2021-06-12 05:20:00 | Vibration N2 #1 Bearing                | 0.06 | 0.15 |                                            |
| 2021-06-12 05:20:00 | Vibration N2 Turbine Frame             | 0.08 | 0.06 |                                            |
| 2021-06-12 01:00:00 | (1)                                    |      | 59.1 | 21                                         |
| 2021-06-12 01:00:00 | (1)                                    |      |      | 754                                        |
| 2021-06-12 01:00:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-12 01:00:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-12 01:00:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-12 01:00:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-12 01:00:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-12 01:00:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-12 01:00:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-12 01:00:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-12 01:00:00 | Air Speed Indicated                    |      |      | 281.4                                      |
| 2021-06-12 01:00:00 | Aircraft Gross Weight                  |      |      | 66714                                      |
| 2021-06-12 01:00:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-12 01:00:00 | Altitude                               |      |      | 25599                                      |
| 2021-06-12 01:00:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-12 01:00:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-12 01:00:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-12 01:00:00 | Core Speed                             | 92.6 | 92.6 |                                            |
| 2021-06-12 01:00:00 | Date GE Received                       |      |      | 06/12/2021                                 |
| 2021-06-12 01:00:00 | Date of Report                         |      |      | 06/12/2021                                 |
| 2021-06-12 01:00:00 | Departure Station                      |      |      | ZBH                                        |
| 2021-06-12 01:00:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-12 01:00:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-12 01:00:00 | EGT Exhaust Gas Temperature            | 613  | 621  |                                            |
| 2021-06-12 01:00:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-12 01:00:00 | Flight Counter                         |      |      | 1599                                       |
| 2021-06-12 01:00:00 | Flight Number ACARS                    |      |      | 5754                                       |
| 2021-06-12 01:00:00 | Flight Number ACMS                     |      |      | 5754                                       |
| 2021-06-12 01:00:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-12 01:00:00 | Fuel Flow                              | 1298 | 1288 |                                            |
| 2021-06-12 01:00:00 | Ground Speed                           |      |      | 394                                        |
| 2021-06-12 01:00:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-12 01:00:00 | Leg                                    |      |      | 1                                          |
| 2021-06-12 01:00:00 | Mach Number                            |      |      | 0.683                                      |
| 2021-06-12 01:00:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-12 01:00:00 | N1 Indicated Fan Speed                 | 82.7 | 82.8 |                                            |
| 2021-06-12 01:00:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-12 01:00:00 | Oil Temperature                        | 104  | 104  |                                            |
| 2021-06-12 01:00:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-12 01:00:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-12 01:00:00 | Temperature Static Air                 |      |      | -24.5                                      |
| 2021-06-12 01:00:00 | Throttle Lever Angle                   | 59.1 | 59.1 |                                            |
| 2021-06-12 01:00:00 | Time GE Received                       |      |      | 03:20:39                                   |
| 2021-06-12 01:00:00 | Time Of Report                         |      |      | 01:00:00                                   |
| 2021-06-12 01:00:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |
| 2021-06-12 01:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 01:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-12 01:00:00 | Vibration N1 #1 Bearing                | 0.18 | 0.16 |                                            |
| 2021-06-12 01:00:00 | Vibration N1 Phase Angle #1 Bearing    | 3    | 116  |                                            |
| 2021-06-12 01:00:00 | Vibration N1 Phase Angle Turbine Frame | 18   | 64   |                                            |
| 2021-06-12 01:00:00 | Vibration N1 Turbine Frame             | 0.4  | 0.25 |                                            |
| 2021-06-12 01:00:00 | Vibration N2 #1 Bearing                | 0.02 | 0.08 |                                            |
| 2021-06-12 01:00:00 | Vibration N2 Turbine Frame             | 0.03 | 0.1  |                                            |
| 2021-06-11 13:06:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-06-11 13:06:00 | (1)                                    |      |      | 753                                        |
| 2021-06-11 13:06:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-11 13:06:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-11 13:06:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-11 13:06:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-11 13:06:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-11 13:06:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-11 13:06:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-11 13:06:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-11 13:06:00 | Air Speed Indicated                    |      |      | 260.1                                      |
| 2021-06-11 13:06:00 | Aircraft Gross Weight                  |      |      | 64500                                      |
| 2021-06-11 13:06:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-11 13:06:00 | Altitude                               |      |      | 35101                                      |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-11 13:06:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-11 13:06:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-11 13:06:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-11 13:06:00 | Core Speed                             | 93.6 | 93.5 |                                            |
| 2021-06-11 13:06:00 | Date GE Received                       |      |      | 06/11/2021                                 |
| 2021-06-11 13:06:00 | Date of Report                         |      |      | 06/11/2021                                 |
| 2021-06-11 13:06:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-11 13:06:00 | Destination Station                    |      |      | ZBH                                        |
| 2021-06-11 13:06:00 | Downlink Ground Station                |      |      | HET                                        |
| 2021-06-11 13:06:00 | EGT Exhaust Gas Temperature            | 658  | 668  |                                            |
| 2021-06-11 13:06:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-11 13:06:00 | Flight Counter                         |      |      | 2336                                       |
| 2021-06-11 13:06:00 | Flight Number ACARS                    |      |      | 5753                                       |
| 2021-06-11 13:06:00 | Flight Number ACMS                     |      |      | 5753                                       |
| 2021-06-11 13:06:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-11 13:06:00 | Fuel Flow                              | 1171 | 1157 |                                            |
| 2021-06-11 13:06:00 | Ground Speed                           |      |      | 465.4                                      |
| 2021-06-11 13:06:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-11 13:06:00 | Leg                                    |      |      | 1                                          |
| 2021-06-11 13:06:00 | Mach Number                            |      |      | 0.77                                       |
| 2021-06-11 13:06:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-11 13:06:00 | N1 Indicated Fan Speed                 | 88.2 | 88.2 |                                            |
| 2021-06-11 13:06:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-06-11 13:06:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-06-11 13:06:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-11 13:06:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-11 13:06:00 | Temperature Static Air                 |      |      | -39.8                                      |
| 2021-06-11 13:06:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-06-11 13:06:00 | Time GE Received                       |      |      | 15:10:55                                   |
| 2021-06-11 13:06:00 | Time Of Report                         |      |      | 13:06:00                                   |
| 2021-06-11 13:06:00 | Total Air Temperature Aircraft         |      |      | -12                                        |
| 2021-06-11 13:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-11 13:06:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-11 13:06:00 | Vibration N1 #1 Bearing                | 0.41 | 0.13 |                                            |
| 2021-06-11 13:06:00 | Vibration N1 Phase Angle #1 Bearing    | 29   | 93   |                                            |
| 2021-06-11 13:06:00 | Vibration N1 Phase Angle Turbine Frame | 39   | 110  |                                            |
| 2021-06-11 13:06:00 | Vibration N1 Turbine Frame             | 0.53 | 0.36 |                                            |
| 2021-06-11 13:06:00 | Vibration N2 #1 Bearing                | 0.06 | 0.16 |                                            |
| 2021-06-11 13:06:00 | Vibration N2 Turbine Frame             | 0.06 | 0.14 |                                            |
| 2021-06-11 08:07:00 | (1)                                    |      | 63.4 | 21                                         |
| 2021-06-11 08:07:00 | (1)                                    |      |      | 806                                        |
| 2021-06-11 08:07:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-11 08:07:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-11 08:07:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-11 08:07:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-11 08:07:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-11 08:07:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-11 08:07:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-11 08:07:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-11 08:07:00 | Air Speed Indicated                    |      |      | 288.6                                      |
| 2021-06-11 08:07:00 | Aircraft Gross Weight                  |      |      | 66913                                      |
| 2021-06-11 08:07:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-11 08:07:00 | Altitude                               |      |      | 30119                                      |
| 2021-06-11 08:07:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-11 08:07:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-11 08:07:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-11 08:07:00 | Core Speed                             | 94.8 | 94.8 |                                            |
| 2021-06-11 08:07:00 | Date GE Received                       |      |      | 06/11/2021                                 |
| 2021-06-11 08:07:00 | Date of Report                         |      |      | 06/11/2021                                 |
| 2021-06-11 08:07:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-11 08:07:00 | Destination Station                    |      |      | ZPP                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-11 08:07:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-11 08:07:00 | EGT Exhaust Gas Temperature            | 671  | 683  |                                            |
| 2021-06-11 08:07:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-11 08:07:00 | Flight Counter                         |      |      | 1954                                       |
| 2021-06-11 08:07:00 | Flight Number ACARS                    |      |      | 5806                                       |
| 2021-06-11 08:07:00 | Flight Number ACMS                     |      |      | 5806                                       |
| 2021-06-11 08:07:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-11 08:07:00 | Fuel Flow                              | 1395 | 1382 |                                            |
| 2021-06-11 08:07:00 | Ground Speed                           |      |      | 437.9                                      |
| 2021-06-11 08:07:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-11 08:07:00 | Leg                                    |      |      | 1                                          |
| 2021-06-11 08:07:00 | Mach Number                            |      |      | 0.765                                      |
| 2021-06-11 08:07:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-11 08:07:00 | N1 Indicated Fan Speed                 | 88.1 | 88.1 |                                            |
| 2021-06-11 08:07:00 | Oil Pressure                           | 46   | 49   |                                            |
| 2021-06-11 08:07:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-06-11 08:07:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-11 08:07:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-11 08:07:00 | Temperature Static Air                 |      |      | -28.8                                      |
| 2021-06-11 08:07:00 | Throttle Lever Angle                   | 63.3 | 63.4 |                                            |
| 2021-06-11 08:07:00 | Time GE Received                       |      |      | 10:01:23                                   |
| 2021-06-11 08:07:00 | Time Of Report                         |      |      | 08:07:00                                   |
| 2021-06-11 08:07:00 | Total Air Temperature Aircraft         |      |      | -0.3                                       |
| 2021-06-11 08:07:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-11 08:07:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-11 08:07:00 | Vibration N1 #1 Bearing                | 0.47 | 0.31 |                                            |
| 2021-06-11 08:07:00 | Vibration N1 Phase Angle #1 Bearing    | 39   | 100  |                                            |
| 2021-06-11 08:07:00 | Vibration N1 Phase Angle Turbine Frame | 37   | 125  |                                            |
| 2021-06-11 08:07:00 | Vibration N1 Turbine Frame             | 0.81 | 0.52 |                                            |
| 2021-06-11 08:07:00 | Vibration N2 #1 Bearing                | 0.04 | 0.2  |                                            |
| 2021-06-11 08:07:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-06-11 03:37:00 | (1)                                    |      | 62.4 | 21                                         |
| 2021-06-11 03:37:00 | (1)                                    |      |      | 805                                        |
| 2021-06-11 03:37:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-11 03:37:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-11 03:37:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-11 03:37:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-11 03:37:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-11 03:37:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-11 03:37:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-11 03:37:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-11 03:37:00 | Air Speed Indicated                    |      |      | 256.1                                      |
| 2021-06-11 03:37:00 | Aircraft Gross Weight                  |      |      | 65117                                      |
| 2021-06-11 03:37:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-11 03:37:00 | Altitude                               |      |      | 35101                                      |
| 2021-06-11 03:37:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-11 03:37:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-11 03:37:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-11 03:37:00 | Core Speed                             | 93.7 | 93.5 |                                            |
| 2021-06-11 03:37:00 | Date GE Received                       |      |      | 06/11/2021                                 |
| 2021-06-11 03:37:00 | Date of Report                         |      |      | 06/11/2021                                 |
| 2021-06-11 03:37:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-11 03:37:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-11 03:37:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-06-11 03:37:00 | EGT Exhaust Gas Temperature            | 659  | 679  |                                            |
| 2021-06-11 03:37:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-11 03:37:00 | Flight Counter                         |      |      | 2004                                       |
| 2021-06-11 03:37:00 | Flight Number ACARS                    |      |      | 5805                                       |
| 2021-06-11 03:37:00 | Flight Number ACMS                     |      |      | 5805                                       |
| 2021-06-11 03:37:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-11 03:37:00 | Fuel Flow                              | 1184 | 1189 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-11 03:37:00 | Ground Speed                           |      |      | 471.4                                      |
| 2021-06-11 03:37:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-11 03:37:00 | Leg                                    |      |      | 1                                          |
| 2021-06-11 03:37:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-06-11 03:37:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-11 03:37:00 | N1 Indicated Fan Speed                 | 88.6 | 88.7 |                                            |
| 2021-06-11 03:37:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-11 03:37:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-06-11 03:37:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-11 03:37:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-11 03:37:00 | Temperature Static Air                 |      |      | -40.5                                      |
| 2021-06-11 03:37:00 | Throttle Lever Angle                   | 62.3 | 62.4 |                                            |
| 2021-06-11 03:37:00 | Time GE Received                       |      |      | 05:24:54                                   |
| 2021-06-11 03:37:00 | Time Of Report                         |      |      | 03:37:00                                   |
| 2021-06-11 03:37:00 | Total Air Temperature Aircraft         |      |      | -13.5                                      |
| 2021-06-11 03:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-11 03:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-11 03:37:00 | Vibration N1 #1 Bearing                | 0.39 | 0.11 |                                            |
| 2021-06-11 03:37:00 | Vibration N1 Phase Angle #1 Bearing    | 31   | 165  |                                            |
| 2021-06-11 03:37:00 | Vibration N1 Phase Angle Turbine Frame | 38   | 110  |                                            |
| 2021-06-11 03:37:00 | Vibration N1 Turbine Frame             | 0.52 | 0.48 |                                            |
| 2021-06-11 03:37:00 | Vibration N2 #1 Bearing                | 0.08 | 0.11 |                                            |
| 2021-06-11 03:37:00 | Vibration N2 Turbine Frame             | 0.07 | 0.15 |                                            |
| 2021-06-10 15:31:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-06-10 15:31:00 | (1)                                    |      |      | 722                                        |
| 2021-06-10 15:31:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-10 15:31:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-10 15:31:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-10 15:31:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-10 15:31:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-10 15:31:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-10 15:31:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-10 15:31:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-10 15:31:00 | Air Speed Indicated                    |      |      | 286.7                                      |
| 2021-06-10 15:31:00 | Aircraft Gross Weight                  |      |      | 65208                                      |
| 2021-06-10 15:31:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-10 15:31:00 | Altitude                               |      |      | 30099                                      |
| 2021-06-10 15:31:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-10 15:31:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-10 15:31:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-10 15:31:00 | Core Speed                             | 94.5 | 94.5 |                                            |
| 2021-06-10 15:31:00 | Date GE Received                       |      |      | 06/10/2021                                 |
| 2021-06-10 15:31:00 | Date of Report                         |      |      | 06/10/2021                                 |
| 2021-06-10 15:31:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-06-10 15:31:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-10 15:31:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-10 15:31:00 | EGT Exhaust Gas Temperature            | 656  | 667  |                                            |
| 2021-06-10 15:31:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-10 15:31:00 | Flight Counter                         |      |      | 378                                        |
| 2021-06-10 15:31:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-06-10 15:31:00 | Flight Number ACMS                     |      |      | 5722                                       |
| 2021-06-10 15:31:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-10 15:31:00 | Fuel Flow                              | 1329 | 1311 |                                            |
| 2021-06-10 15:31:00 | Ground Speed                           |      |      | 437.8                                      |
| 2021-06-10 15:31:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-10 15:31:00 | Leg                                    |      |      | 1                                          |
| 2021-06-10 15:31:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-06-10 15:31:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-10 15:31:00 | N1 Indicated Fan Speed                 | 87.3 | 87.2 |                                            |
| 2021-06-10 15:31:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-10 15:31:00 | Oil Temperature                        | 111  | 111  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-10 15:31:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-10 15:31:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-10 15:31:00 | Temperature Static Air                 |      |      | -27.7                                      |
| 2021-06-10 15:31:00 | Throttle Lever Angle                   | 62.2 | 62.2 |                                            |
| 2021-06-10 15:31:00 | Time GE Received                       |      |      | 16:35:39                                   |
| 2021-06-10 15:31:00 | Time Of Report                         |      |      | 15:31:00                                   |
| 2021-06-10 15:31:00 | Total Air Temperature Aircraft         |      |      | 0.5                                        |
| 2021-06-10 15:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-10 15:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-10 15:31:00 | Vibration N1 #1 Bearing                | 0.31 | 0.21 |                                            |
| 2021-06-10 15:31:00 | Vibration N1 Phase Angle #1 Bearing    | 31   | 97   |                                            |
| 2021-06-10 15:31:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 120  |                                            |
| 2021-06-10 15:31:00 | Vibration N1 Turbine Frame             | 0.57 | 0.45 |                                            |
| 2021-06-10 15:31:00 | Vibration N2 #1 Bearing                | 0.05 | 0.17 |                                            |
| 2021-06-10 15:31:00 | Vibration N2 Turbine Frame             | 0.08 | 0.08 |                                            |
| 2021-06-10 12:02:00 | (1)                                    |      | 60.2 | 21                                         |
| 2021-06-10 12:02:00 | (1)                                    |      |      | 721                                        |
| 2021-06-10 12:02:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-10 12:02:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-10 12:02:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-10 12:02:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-10 12:02:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-10 12:02:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-10 12:02:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-10 12:02:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-10 12:02:00 | Air Speed Indicated                    |      |      | 279.9                                      |
| 2021-06-10 12:02:00 | Aircraft Gross Weight                  |      |      | 66913                                      |
| 2021-06-10 12:02:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-10 12:02:00 | Altitude                               |      |      | 24604                                      |
| 2021-06-10 12:02:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-10 12:02:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-10 12:02:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-10 12:02:00 | Core Speed                             | 94.1 | 94   |                                            |
| 2021-06-10 12:02:00 | Date GE Received                       |      |      | 06/10/2021                                 |
| 2021-06-10 12:02:00 | Date of Report                         |      |      | 06/10/2021                                 |
| 2021-06-10 12:02:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-10 12:02:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-06-10 12:02:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-06-10 12:02:00 | EGT Exhaust Gas Temperature            | 634  | 640  |                                            |
| 2021-06-10 12:02:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-10 12:02:00 | Flight Counter                         |      |      | 1338                                       |
| 2021-06-10 12:02:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-06-10 12:02:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-06-10 12:02:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-06-10 12:02:00 | Fuel Flow                              | 1315 | 1305 |                                            |
| 2021-06-10 12:02:00 | Ground Speed                           |      |      | 428.2                                      |
| 2021-06-10 12:02:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-10 12:02:00 | Leg                                    |      |      | 1                                          |
| 2021-06-10 12:02:00 | Mach Number                            |      |      | 0.667                                      |
| 2021-06-10 12:02:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-10 12:02:00 | N1 Indicated Fan Speed                 | 83.2 | 83.1 |                                            |
| 2021-06-10 12:02:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-10 12:02:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-06-10 12:02:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-10 12:02:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-10 12:02:00 | Temperature Static Air                 |      |      | -13.8                                      |
| 2021-06-10 12:02:00 | Throttle Lever Angle                   | 60.2 | 60.2 |                                            |
| 2021-06-10 12:02:00 | Time GE Received                       |      |      | 13:03:53                                   |
| 2021-06-10 12:02:00 | Time Of Report                         |      |      | 12:02:00                                   |
| 2021-06-10 12:02:00 | Total Air Temperature Aircraft         |      |      | 9.3                                        |
| 2021-06-10 12:02:00 | Unknown parameter/formatting character |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-10 12:02:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-10 12:02:00 | Vibration N1 #1 Bearing                | 0.2  | 0.16 |                                            |
| 2021-06-10 12:02:00 | Vibration N1 Phase Angle #1 Bearing    | 355  | 125  |                                            |
| 2021-06-10 12:02:00 | Vibration N1 Phase Angle Turbine Frame | 357  | 100  |                                            |
| 2021-06-10 12:02:00 | Vibration N1 Turbine Frame             | 0.34 | 0.21 |                                            |
| 2021-06-10 12:02:00 | Vibration N2 #1 Bearing                | 0.04 | 0.09 |                                            |
| 2021-06-10 12:02:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-06-10 04:25:00 | (1)                                    |      | 57.9 | 21                                         |
| 2021-06-10 04:25:00 | (1)                                    |      |      | 766                                        |
| 2021-06-10 04:25:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-10 04:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-10 04:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-10 04:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-10 04:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-10 04:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-10 04:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-10 04:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-10 04:25:00 | Air Speed Indicated                    |      |      | 278.3                                      |
| 2021-06-10 04:25:00 | Aircraft Gross Weight                  |      |      | 59148                                      |
| 2021-06-10 04:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-10 04:25:00 | Altitude                               |      |      | 23603                                      |
| 2021-06-10 04:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-10 04:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-10 04:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-10 04:25:00 | Core Speed                             | 92   | 92.1 |                                            |
| 2021-06-10 04:25:00 | Date GE Received                       |      |      | 06/10/2021                                 |
| 2021-06-10 04:25:00 | Date of Report                         |      |      | 06/10/2021                                 |
| 2021-06-10 04:25:00 | Departure Station                      |      |      | ZBY                                        |
| 2021-06-10 04:25:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-10 04:25:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-10 04:25:00 | EGT Exhaust Gas Temperature            | 600  | 606  |                                            |
| 2021-06-10 04:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-10 04:25:00 | Flight Counter                         |      |      | 703                                        |
| 2021-06-10 04:25:00 | Flight Number ACARS                    |      |      | 5766                                       |
| 2021-06-10 04:25:00 | Flight Number ACMS                     |      |      | 5766                                       |
| 2021-06-10 04:25:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-06-10 04:25:00 | Fuel Flow                              | 1241 | 1239 |                                            |
| 2021-06-10 04:25:00 | Ground Speed                           |      |      | 390.9                                      |
| 2021-06-10 04:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-10 04:25:00 | Leg                                    |      |      | 1                                          |
| 2021-06-10 04:25:00 | Mach Number                            |      |      | 0.65                                       |
| 2021-06-10 04:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-10 04:25:00 | N1 Indicated Fan Speed                 | 80.2 | 80.3 |                                            |
| 2021-06-10 04:25:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-10 04:25:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-06-10 04:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-10 04:25:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-10 04:25:00 | Temperature Static Air                 |      |      | -18                                        |
| 2021-06-10 04:25:00 | Throttle Lever Angle                   | 57.8 | 57.9 |                                            |
| 2021-06-10 04:25:00 | Time GE Received                       |      |      | 06:04:44                                   |
| 2021-06-10 04:25:00 | Time Of Report                         |      |      | 04:25:00                                   |
| 2021-06-10 04:25:00 | Total Air Temperature Aircraft         |      |      | 3.5                                        |
| 2021-06-10 04:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-10 04:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-10 04:25:00 | Vibration N1 #1 Bearing                | 0.21 | 0.14 |                                            |
| 2021-06-10 04:25:00 | Vibration N1 Phase Angle #1 Bearing    | 5    | 96   |                                            |
| 2021-06-10 04:25:00 | Vibration N1 Phase Angle Turbine Frame | 352  | 96   |                                            |
| 2021-06-10 04:25:00 | Vibration N1 Turbine Frame             | 0.56 | 0.25 |                                            |
| 2021-06-10 04:25:00 | Vibration N2 #1 Bearing                | 0.01 | 0.11 |                                            |
| 2021-06-10 04:25:00 | Vibration N2 Turbine Frame             | 0.02 | 0.11 |                                            |
| 2021-06-10 01:21:00 | (1)                                    |      | 60.2 | 21                                         |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-10 01:21:00 | (1)                                    |      |      | 765                                        |
| 2021-06-10 01:21:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-10 01:21:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-10 01:21:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-10 01:21:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-10 01:21:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-10 01:21:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-10 01:21:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-10 01:21:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-10 01:21:00 | Air Speed Indicated                    |      |      | 252.1                                      |
| 2021-06-10 01:21:00 | Aircraft Gross Weight                  |      |      | 54322                                      |
| 2021-06-10 01:21:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-10 01:21:00 | Altitude                               |      |      | 35104                                      |
| 2021-06-10 01:21:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-10 01:21:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-10 01:21:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-10 01:21:00 | Core Speed                             | 92.1 | 91.8 |                                            |
| 2021-06-10 01:21:00 | Date GE Received                       |      |      | 06/10/2021                                 |
| 2021-06-10 01:21:00 | Date of Report                         |      |      | 06/10/2021                                 |
| 2021-06-10 01:21:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-10 01:21:00 | Destination Station                    |      |      | ZBY                                        |
| 2021-06-10 01:21:00 | Downlink Ground Station                |      |      | LYA                                        |
| 2021-06-10 01:21:00 | EGT Exhaust Gas Temperature            | 627  | 639  |                                            |
| 2021-06-10 01:21:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-10 01:21:00 | Flight Counter                         |      |      | 2028                                       |
| 2021-06-10 01:21:00 | Flight Number ACARS                    |      |      | 5765                                       |
| 2021-06-10 01:21:00 | Flight Number ACMS                     |      |      | 5765                                       |
| 2021-06-10 01:21:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-10 01:21:00 | Fuel Flow                              | 1048 | 1044 |                                            |
| 2021-06-10 01:21:00 | Ground Speed                           |      |      | 463.3                                      |
| 2021-06-10 01:21:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-10 01:21:00 | Leg                                    |      |      | 1                                          |
| 2021-06-10 01:21:00 | Mach Number                            |      |      | 0.749                                      |
| 2021-06-10 01:21:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-10 01:21:00 | N1 Indicated Fan Speed                 | 85.4 | 85.4 |                                            |
| 2021-06-10 01:21:00 | Oil Pressure                           | 43   | 46   |                                            |
| 2021-06-10 01:21:00 | Oil Temperature                        | 107  | 105  |                                            |
| 2021-06-10 01:21:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-10 01:21:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-10 01:21:00 | Temperature Static Air                 |      |      | -41.3                                      |
| 2021-06-10 01:21:00 | Throttle Lever Angle                   | 60.2 | 60.2 |                                            |
| 2021-06-10 01:21:00 | Time GE Received                       |      |      | 02:22:58                                   |
| 2021-06-10 01:21:00 | Time Of Report                         |      |      | 01:21:00                                   |
| 2021-06-10 01:21:00 | Total Air Temperature Aircraft         |      |      | -15.2                                      |
| 2021-06-10 01:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-10 01:21:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-10 01:21:00 | Vibration N1 #1 Bearing                | 0.26 | 0.12 |                                            |
| 2021-06-10 01:21:00 | Vibration N1 Phase Angle #1 Bearing    | 357  | 129  |                                            |
| 2021-06-10 01:21:00 | Vibration N1 Phase Angle Turbine Frame | 9    | 84   |                                            |
| 2021-06-10 01:21:00 | Vibration N1 Turbine Frame             | 0.92 | 0.35 |                                            |
| 2021-06-10 01:21:00 | Vibration N2 #1 Bearing                | 0.06 | 0.06 |                                            |
| 2021-06-10 01:21:00 | Vibration N2 Turbine Frame             | 0.03 | 0.07 |                                            |
| 2021-06-09 10:49:00 | (1)                                    |      | 61.7 | 21                                         |
| 2021-06-09 10:49:00 | (1)                                    |      |      | 32                                         |
| 2021-06-09 10:49:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-09 10:49:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-09 10:49:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-09 10:49:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-09 10:49:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-09 10:49:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-09 10:49:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-09 10:49:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-09 10:49:00 | Air Speed Indicated                    |      |      | 264.7                                      |
| 2021-06-09 10:49:00 | Aircraft Gross Weight                  |      |      | 59729                                      |
| 2021-06-09 10:49:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-09 10:49:00 | Altitude                               |      |      | 32997                                      |
| 2021-06-09 10:49:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-09 10:49:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-09 10:49:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-09 10:49:00 | Core Speed                             | 93.8 | 93.4 |                                            |
| 2021-06-09 10:49:00 | Date GE Received                       |      |      | 06/09/2021                                 |
| 2021-06-09 10:49:00 | Date of Report                         |      |      | 06/09/2021                                 |
| 2021-06-09 10:49:00 | Departure Station                      |      |      | VYY                                        |
| 2021-06-09 10:49:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-09 10:49:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-09 10:49:00 | EGT Exhaust Gas Temperature            | 653  | 668  |                                            |
| 2021-06-09 10:49:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-09 10:49:00 | Flight Counter                         |      |      | 1869                                       |
| 2021-06-09 10:49:00 | Flight Number ACARS                    |      |      | 2032                                       |
| 2021-06-09 10:49:00 | Flight Number ACMS                     |      |      | 2032                                       |
| 2021-06-09 10:49:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-09 10:49:00 | Fuel Flow                              | 1182 | 1184 |                                            |
| 2021-06-09 10:49:00 | Ground Speed                           |      |      | 449.2                                      |
| 2021-06-09 10:49:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-09 10:49:00 | Leg                                    |      |      | 1                                          |
| 2021-06-09 10:49:00 | Mach Number                            |      |      | 0.749                                      |
| 2021-06-09 10:49:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-09 10:49:00 | N1 Indicated Fan Speed                 | 87.2 | 87.2 |                                            |
| 2021-06-09 10:49:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-09 10:49:00 | Oil Temperature                        | 115  | 113  |                                            |
| 2021-06-09 10:49:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-09 10:49:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-09 10:49:00 | Temperature Static Air                 |      |      | -32.5                                      |
| 2021-06-09 10:49:00 | Throttle Lever Angle                   | 61.8 | 61.7 |                                            |
| 2021-06-09 10:49:00 | Time GE Received                       |      |      | 12:00:22                                   |
| 2021-06-09 10:49:00 | Time Of Report                         |      |      | 10:49:00                                   |
| 2021-06-09 10:49:00 | Total Air Temperature Aircraft         |      |      | -5.5                                       |
| 2021-06-09 10:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 10:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 10:49:00 | Vibration N1 #1 Bearing                | 0.26 | 0.09 |                                            |
| 2021-06-09 10:49:00 | Vibration N1 Phase Angle #1 Bearing    | 27   | 87   |                                            |
| 2021-06-09 10:49:00 | Vibration N1 Phase Angle Turbine Frame | 32   | 96   |                                            |
| 2021-06-09 10:49:00 | Vibration N1 Turbine Frame             | 0.87 | 0.31 |                                            |
| 2021-06-09 10:49:00 | Vibration N2 #1 Bearing                | 0.06 | 0.12 |                                            |
| 2021-06-09 10:49:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-06-09 08:02:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-06-09 08:02:00 | (1)                                    |      |      | 31                                         |
| 2021-06-09 08:02:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-09 08:02:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-09 08:02:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-09 08:02:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-09 08:02:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-09 08:02:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-09 08:02:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-09 08:02:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-09 08:02:00 | Air Speed Indicated                    |      |      | 263.5                                      |
| 2021-06-09 08:02:00 | Aircraft Gross Weight                  |      |      | 64736                                      |
| 2021-06-09 08:02:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-09 08:02:00 | Altitude                               |      |      | 34011                                      |
| 2021-06-09 08:02:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-09 08:02:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-09 08:02:00 | Carrier code (two character)           |      |      | MU                                         |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-09 08:02:00 | Core Speed                             | 94.4 | 94.1 |                                            |
| 2021-06-09 08:02:00 | Date GE Received                       |      |      | 06/09/2021                                 |
| 2021-06-09 08:02:00 | Date of Report                         |      |      | 06/09/2021                                 |
| 2021-06-09 08:02:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-09 08:02:00 | Destination Station                    |      |      | VYY                                        |
| 2021-06-09 08:02:00 | Downlink Ground Station                |      |      | CNX                                        |
| 2021-06-09 08:02:00 | EGT Exhaust Gas Temperature            | 674  | 688  |                                            |
| 2021-06-09 08:02:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-09 08:02:00 | Flight Counter                         |      |      | 3456                                       |
| 2021-06-09 08:02:00 | Flight Number ACARS                    |      |      | 2031                                       |
| 2021-06-09 08:02:00 | Flight Number ACMS                     |      |      | 2031                                       |
| 2021-06-09 08:02:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-09 08:02:00 | Fuel Flow                              | 1249 | 1247 |                                            |
| 2021-06-09 08:02:00 | Ground Speed                           |      |      | 459.4                                      |
| 2021-06-09 08:02:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-09 08:02:00 | Leg                                    |      |      | 1                                          |
| 2021-06-09 08:02:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-06-09 08:02:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-09 08:02:00 | N1 Indicated Fan Speed                 | 89.2 | 89.2 |                                            |
| 2021-06-09 08:02:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-09 08:02:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-06-09 08:02:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-09 08:02:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-09 08:02:00 | Temperature Static Air                 |      |      | -35.2                                      |
| 2021-06-09 08:02:00 | Throttle Lever Angle                   | 63.1 | 63.1 |                                            |
| 2021-06-09 08:02:00 | Time GE Received                       |      |      | 08:34:37                                   |
| 2021-06-09 08:02:00 | Time Of Report                         |      |      | 08:02:00                                   |
| 2021-06-09 08:02:00 | Total Air Temperature Aircraft         |      |      | -7.8                                       |
| 2021-06-09 08:02:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 08:02:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 08:02:00 | Vibration N1 #1 Bearing                | 0.24 | 0.12 |                                            |
| 2021-06-09 08:02:00 | Vibration N1 Phase Angle #1 Bearing    | 45   | 70   |                                            |
| 2021-06-09 08:02:00 | Vibration N1 Phase Angle Turbine Frame | 50   | 94   |                                            |
| 2021-06-09 08:02:00 | Vibration N1 Turbine Frame             | 0.8  | 0.33 |                                            |
| 2021-06-09 08:02:00 | Vibration N2 #1 Bearing                | 0.1  | 0.19 |                                            |
| 2021-06-09 08:02:00 | Vibration N2 Turbine Frame             | 0.08 | 0.13 |                                            |
| 2021-06-09 03:31:00 | (1)                                    |      |      | 21                                         |
| 2021-06-09 03:31:00 | (1)                                    |      |      | 858                                        |
| 2021-06-09 03:31:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-09 03:31:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-09 03:31:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-09 03:31:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-09 03:31:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-09 03:31:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-09 03:31:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-09 03:31:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-09 03:31:00 | Air Speed Indicated                    |      |      | 292.6                                      |
| 2021-06-09 03:31:00 | Aircraft Gross Weight                  |      |      | 58440                                      |
| 2021-06-09 03:31:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-09 03:31:00 | Altitude                               |      |      | 23608                                      |
| 2021-06-09 03:31:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-09 03:31:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-09 03:31:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-09 03:31:00 | Core Speed                             | 93.6 | 93.6 |                                            |
| 2021-06-09 03:31:00 | Date GE Received                       |      |      | 06/09/2021                                 |
| 2021-06-09 03:31:00 | Date of Report                         |      |      | 06/09/2021                                 |
| 2021-06-09 03:31:00 | Departure Station                      |      |      | ZGK                                        |
| 2021-06-09 03:31:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-09 03:31:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-09 03:31:00 | EGT Exhaust Gas Temperature            | 626  | 630  |                                            |
| 2021-06-09 03:31:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-09 03:31:00 | Flight Counter                         |      |      | 3497                                       |
| 2021-06-09 03:31:00 | Flight Number ACARS                    |      |      | 7858                                       |
| 2021-06-09 03:31:00 | Flight Number ACMS                     |      |      | 7858                                       |
| 2021-06-09 03:31:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-09 03:31:00 | Fuel Flow                              | 1324 | 1314 |                                            |
| 2021-06-09 03:31:00 | Ground Speed                           |      |      | 417.8                                      |
| 2021-06-09 03:31:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-09 03:31:00 | Leg                                    |      |      | 1                                          |
| 2021-06-09 03:31:00 | Mach Number                            |      |      | 0.682                                      |
| 2021-06-09 03:31:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-09 03:31:00 | N1 Indicated Fan Speed                 | 82.2 | 82.2 |                                            |
| 2021-06-09 03:31:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-06-09 03:31:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-06-09 03:31:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-09 03:31:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-09 03:31:00 | Temperature Static Air                 |      |      | -13                                        |
| 2021-06-09 03:31:00 | Throttle Lever Angle                   | 59.6 | 59.6 |                                            |
| 2021-06-09 03:31:00 | Time GE Received                       |      |      | 04:18:59                                   |
| 2021-06-09 03:31:00 | Time Of Report                         |      |      | 03:31:00                                   |
| 2021-06-09 03:31:00 | Total Air Temperature Aircraft         |      |      | 11.3                                       |
| 2021-06-09 03:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 03:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 03:31:00 | Vibration N1 #1 Bearing                | 0.23 | 0.15 |                                            |
| 2021-06-09 03:31:00 | Vibration N1 Phase Angle #1 Bearing    | 18   | 93   |                                            |
| 2021-06-09 03:31:00 | Vibration N1 Phase Angle Turbine Frame | 8    | 94   |                                            |
| 2021-06-09 03:31:00 | Vibration N1 Turbine Frame             | 0.59 | 0.28 |                                            |
| 2021-06-09 03:31:00 | Vibration N2 #1 Bearing                | 0.04 | 0.07 |                                            |
| 2021-06-09 03:31:00 | Vibration N2 Turbine Frame             | 0.07 | 0.08 |                                            |
| 2021-06-09 01:15:00 | (1)                                    |      |      | 21                                         |
| 2021-06-09 01:15:00 | (1)                                    |      |      | 857                                        |
| 2021-06-09 01:15:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-09 01:15:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-09 01:15:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-09 01:15:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-09 01:15:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-09 01:15:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-09 01:15:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-09 01:15:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-09 01:15:00 | Air Speed Indicated                    |      |      | 280.6                                      |
| 2021-06-09 01:15:00 | Aircraft Gross Weight                  |      |      | 55320                                      |
| 2021-06-09 01:15:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-09 01:15:00 | Altitude                               |      |      | 22602                                      |
| 2021-06-09 01:15:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-09 01:15:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-09 01:15:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-09 01:15:00 | Core Speed                             | 92.6 | 92.5 |                                            |
| 2021-06-09 01:15:00 | Date GE Received                       |      |      | 06/09/2021                                 |
| 2021-06-09 01:15:00 | Date of Report                         |      |      | 06/09/2021                                 |
| 2021-06-09 01:15:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-09 01:15:00 | Destination Station                    |      |      | ZGK                                        |
| 2021-06-09 01:15:00 | Downlink Ground Station                |      |      | KWL                                        |
| 2021-06-09 01:15:00 | EGT Exhaust Gas Temperature            | 615  | 619  |                                            |
| 2021-06-09 01:15:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-09 01:15:00 | Flight Counter                         |      |      | 1451                                       |
| 2021-06-09 01:15:00 | Flight Number ACARS                    |      |      | 7857                                       |
| 2021-06-09 01:15:00 | Flight Number ACMS                     |      |      | 7857                                       |
| 2021-06-09 01:15:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-09 01:15:00 | Fuel Flow                              | 1265 | 1255 |                                            |
| 2021-06-09 01:15:00 | Ground Speed                           |      |      | 420.1                                      |
| 2021-06-09 01:15:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-09 01:15:00 | Leg                                    |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-09 01:15:00 | Mach Number                            |      |      | 0.643                                      |
| 2021-06-09 01:15:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-09 01:15:00 | N1 Indicated Fan Speed                 | 79.8 | 79.8 |                                            |
| 2021-06-09 01:15:00 | Oil Pressure                           | 48   | 49   |                                            |
| 2021-06-09 01:15:00 | Oil Temperature                        | 106  | 105  |                                            |
| 2021-06-09 01:15:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-09 01:15:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-09 01:15:00 | Temperature Static Air                 |      |      | -11.8                                      |
| 2021-06-09 01:15:00 | Throttle Lever Angle                   | 58.5 | 58.5 |                                            |
| 2021-06-09 01:15:00 | Time GE Received                       |      |      | 01:47:15                                   |
| 2021-06-09 01:15:00 | Time Of Report                         |      |      | 01:15:00                                   |
| 2021-06-09 01:15:00 | Total Air Temperature Aircraft         |      |      | 9.8                                        |
| 2021-06-09 01:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 01:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-09 01:15:00 | Vibration N1 #1 Bearing                | 0.11 | 0.13 |                                            |
| 2021-06-09 01:15:00 | Vibration N1 Phase Angle #1 Bearing    | 5    | 126  |                                            |
| 2021-06-09 01:15:00 | Vibration N1 Phase Angle Turbine Frame | 329  | 98   |                                            |
| 2021-06-09 01:15:00 | Vibration N1 Turbine Frame             | 0.36 | 0.14 |                                            |
| 2021-06-09 01:15:00 | Vibration N2 #1 Bearing                | 0.03 | 0.05 |                                            |
| 2021-06-09 01:15:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-06-08 10:18:00 | (1)                                    |      |      | 21                                         |
| 2021-06-08 10:18:00 | (1)                                    |      |      | 706                                        |
| 2021-06-08 10:18:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-08 10:18:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-08 10:18:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-08 10:18:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-08 10:18:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-08 10:18:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-08 10:18:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-08 10:18:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-08 10:18:00 | Air Speed Indicated                    |      |      | 249.3                                      |
| 2021-06-08 10:18:00 | Aircraft Gross Weight                  |      |      | 62904                                      |
| 2021-06-08 10:18:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-08 10:18:00 | Altitude                               |      |      | 36103                                      |
| 2021-06-08 10:18:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-08 10:18:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-08 10:18:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-08 10:18:00 | Core Speed                             | 92.6 | 92.3 |                                            |
| 2021-06-08 10:18:00 | Date GE Received                       |      |      | 06/08/2021                                 |
| 2021-06-08 10:18:00 | Date of Report                         |      |      | 06/08/2021                                 |
| 2021-06-08 10:18:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-06-08 10:18:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-08 10:18:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-08 10:18:00 | EGT Exhaust Gas Temperature            | 649  | 660  |                                            |
| 2021-06-08 10:18:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-08 10:18:00 | Flight Counter                         |      |      | 3008                                       |
| 2021-06-08 10:18:00 | Flight Number ACARS                    |      |      | 5706                                       |
| 2021-06-08 10:18:00 | Flight Number ACMS                     |      |      | 5706                                       |
| 2021-06-08 10:18:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-08 10:18:00 | Fuel Flow                              | 1135 | 1132 |                                            |
| 2021-06-08 10:18:00 | Ground Speed                           |      |      | 410.6                                      |
| 2021-06-08 10:18:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-08 10:18:00 | Leg                                    |      |      | 1                                          |
| 2021-06-08 10:18:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-06-08 10:18:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-08 10:18:00 | N1 Indicated Fan Speed                 | 88.1 | 88.1 |                                            |
| 2021-06-08 10:18:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-08 10:18:00 | Oil Temperature                        | 106  | 104  |                                            |
| 2021-06-08 10:18:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-08 10:18:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-08 10:18:00 | Temperature Static Air                 |      |      | -46                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-08 10:18:00 | Throttle Lever Angle                   | 61.7 | 61.8 |                                            |
| 2021-06-08 10:18:00 | Time GE Received                       |      |      | 11:50:13                                   |
| 2021-06-08 10:18:00 | Time Of Report                         |      |      | 10:18:00                                   |
| 2021-06-08 10:18:00 | Total Air Temperature Aircraft         |      |      | -20                                        |
| 2021-06-08 10:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-08 10:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-08 10:18:00 | Vibration N1 #1 Bearing                | 0.24 | 0.08 |                                            |
| 2021-06-08 10:18:00 | Vibration N1 Phase Angle #1 Bearing    | 13   | 154  |                                            |
| 2021-06-08 10:18:00 | Vibration N1 Phase Angle Turbine Frame | 29   | 83   |                                            |
| 2021-06-08 10:18:00 | Vibration N1 Turbine Frame             | 0.43 | 0.34 |                                            |
| 2021-06-08 10:18:00 | Vibration N2 #1 Bearing                | 0.03 | 0.04 |                                            |
| 2021-06-08 10:18:00 | Vibration N2 Turbine Frame             | 0.02 | 0.05 |                                            |
| 2021-06-07 14:22:00 | (1)                                    |      |      | 21                                         |
| 2021-06-07 14:22:00 | (1)                                    |      |      | 670                                        |
| 2021-06-07 14:22:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-07 14:22:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-07 14:22:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-07 14:22:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-07 14:22:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-07 14:22:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-07 14:22:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-07 14:22:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-07 14:22:00 | Air Speed Indicated                    |      |      | 282.9                                      |
| 2021-06-07 14:22:00 | Aircraft Gross Weight                  |      |      | 65262                                      |
| 2021-06-07 14:22:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-07 14:22:00 | Altitude                               |      |      | 31101                                      |
| 2021-06-07 14:22:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-07 14:22:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-07 14:22:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-07 14:22:00 | Core Speed                             | 94.5 | 94.5 |                                            |
| 2021-06-07 14:22:00 | Date GE Received                       |      |      | 06/07/2021                                 |
| 2021-06-07 14:22:00 | Date of Report                         |      |      | 06/07/2021                                 |
| 2021-06-07 14:22:00 | Departure Station                      |      |      | ZGS                                        |
| 2021-06-07 14:22:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-06-07 14:22:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-06-07 14:22:00 | EGT Exhaust Gas Temperature            | 658  | 664  |                                            |
| 2021-06-07 14:22:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-07 14:22:00 | Flight Counter                         |      |      | 1272                                       |
| 2021-06-07 14:22:00 | Flight Number ACARS                    |      |      | 6670                                       |
| 2021-06-07 14:22:00 | Flight Number ACMS                     |      |      | 6670                                       |
| 2021-06-07 14:22:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-07 14:22:00 | Fuel Flow                              | 1315 | 1309 |                                            |
| 2021-06-07 14:22:00 | Ground Speed                           |      |      | 456.6                                      |
| 2021-06-07 14:22:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-07 14:22:00 | Leg                                    |      |      | 1                                          |
| 2021-06-07 14:22:00 | Mach Number                            |      |      | 0.766                                      |
| 2021-06-07 14:22:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-07 14:22:00 | N1 Indicated Fan Speed                 | 87.7 | 87.8 |                                            |
| 2021-06-07 14:22:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-07 14:22:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-06-07 14:22:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-07 14:22:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-07 14:22:00 | Temperature Static Air                 |      |      | -30.5                                      |
| 2021-06-07 14:22:00 | Throttle Lever Angle                   | 62.3 | 62.3 |                                            |
| 2021-06-07 14:22:00 | Time GE Received                       |      |      | 16:10:08                                   |
| 2021-06-07 14:22:00 | Time Of Report                         |      |      | 14:22:00                                   |
| 2021-06-07 14:22:00 | Total Air Temperature Aircraft         |      |      | -2                                         |
| 2021-06-07 14:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 14:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 14:22:00 | Vibration N1 #1 Bearing                | 0.36 | 0.19 |                                            |
| 2021-06-07 14:22:00 | Vibration N1 Phase Angle #1 Bearing    | 29   | 97   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-07 14:22:00 | Vibration N1 Phase Angle Turbine Frame | 33   | 114  |                                            |
| 2021-06-07 14:22:00 | Vibration N1 Turbine Frame             | 0.56 | 0.45 |                                            |
| 2021-06-07 14:22:00 | Vibration N2 #1 Bearing                | 0.04 | 0.13 |                                            |
| 2021-06-07 14:22:00 | Vibration N2 Turbine Frame             | 0.06 | 0.05 |                                            |
| 2021-06-07 10:22:00 | (1)                                    |      | 60.1 | 21                                         |
| 2021-06-07 10:22:00 | (1)                                    |      |      | 351                                        |
| 2021-06-07 10:22:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-07 10:22:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-07 10:22:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-07 10:22:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-07 10:22:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-07 10:22:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-07 10:22:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-07 10:22:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-07 10:22:00 | Air Speed Indicated                    |      |      | 274.9                                      |
| 2021-06-07 10:22:00 | Aircraft Gross Weight                  |      |      | 60853                                      |
| 2021-06-07 10:22:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-07 10:22:00 | Altitude                               |      |      | 30102                                      |
| 2021-06-07 10:22:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-07 10:22:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-07 10:22:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-07 10:22:00 | Core Speed                             | 92.8 | 92.5 |                                            |
| 2021-06-07 10:22:00 | Date GE Received                       |      |      | 06/07/2021                                 |
| 2021-06-07 10:22:00 | Date of Report                         |      |      | 06/07/2021                                 |
| 2021-06-07 10:22:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-07 10:22:00 | Destination Station                    |      |      | ZGS                                        |
| 2021-06-07 10:22:00 | Downlink Ground Station                |      |      | HKG                                        |
| 2021-06-07 10:22:00 | EGT Exhaust Gas Temperature            | 628  | 645  |                                            |
| 2021-06-07 10:22:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-07 10:22:00 | Flight Counter                         |      |      | 1776                                       |
| 2021-06-07 10:22:00 | Flight Number ACARS                    |      |      | 5351                                       |
| 2021-06-07 10:22:00 | Flight Number ACMS                     |      |      | 5351                                       |
| 2021-06-07 10:22:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-07 10:22:00 | Fuel Flow                              | 1197 | 1202 |                                            |
| 2021-06-07 10:22:00 | Ground Speed                           |      |      | 444.7                                      |
| 2021-06-07 10:22:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-07 10:22:00 | Leg                                    |      |      | 1                                          |
| 2021-06-07 10:22:00 | Mach Number                            |      |      | 0.731                                      |
| 2021-06-07 10:22:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-07 10:22:00 | N1 Indicated Fan Speed                 | 84.6 | 84.6 |                                            |
| 2021-06-07 10:22:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-07 10:22:00 | Oil Temperature                        | 106  | 106  |                                            |
| 2021-06-07 10:22:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-07 10:22:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-07 10:22:00 | Temperature Static Air                 |      |      | -30.2                                      |
| 2021-06-07 10:22:00 | Throttle Lever Angle                   | 60.1 | 60.1 |                                            |
| 2021-06-07 10:22:00 | Time GE Received                       |      |      | 11:14:52                                   |
| 2021-06-07 10:22:00 | Time Of Report                         |      |      | 10:22:00                                   |
| 2021-06-07 10:22:00 | Total Air Temperature Aircraft         |      |      | -4.3                                       |
| 2021-06-07 10:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 10:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 10:22:00 | Vibration N1 #1 Bearing                | 0.26 | 0.07 |                                            |
| 2021-06-07 10:22:00 | Vibration N1 Phase Angle #1 Bearing    | 7    | 117  |                                            |
| 2021-06-07 10:22:00 | Vibration N1 Phase Angle Turbine Frame | 15   | 84   |                                            |
| 2021-06-07 10:22:00 | Vibration N1 Turbine Frame             | 0.77 | 0.22 |                                            |
| 2021-06-07 10:22:00 | Vibration N2 #1 Bearing                | 0.02 | 0.1  |                                            |
| 2021-06-07 10:22:00 | Vibration N2 Turbine Frame             | 0.03 | 0.1  |                                            |
| 2021-06-07 06:12:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-06-07 06:12:00 | (1)                                    |      |      | 809                                        |
| 2021-06-07 06:12:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-07 06:12:00 | A/I valve position Wing                |      |      | 0                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-07 06:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-07 06:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-07 06:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-07 06:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-07 06:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-07 06:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-07 06:12:00 | Air Speed Indicated                    |      |      | 257.1                                      |
| 2021-06-07 06:12:00 | Aircraft Gross Weight                  |      |      | 61325                                      |
| 2021-06-07 06:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-07 06:12:00 | Altitude                               |      |      | 35095                                      |
| 2021-06-07 06:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-07 06:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-07 06:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-07 06:12:00 | Core Speed                             | 92.8 | 92.6 |                                            |
| 2021-06-07 06:12:00 | Date GE Received                       |      |      | 06/07/2021                                 |
| 2021-06-07 06:12:00 | Date of Report                         |      |      | 06/07/2021                                 |
| 2021-06-07 06:12:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-07 06:12:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-07 06:12:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-06-07 06:12:00 | EGT Exhaust Gas Temperature            | 647  | 663  |                                            |
| 2021-06-07 06:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-07 06:12:00 | Flight Counter                         |      |      | 2117                                       |
| 2021-06-07 06:12:00 | Flight Number ACARS                    |      |      | 5809                                       |
| 2021-06-07 06:12:00 | Flight Number ACMS                     |      |      | 5809                                       |
| 2021-06-07 06:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-07 06:12:00 | Fuel Flow                              | 1136 | 1137 |                                            |
| 2021-06-07 06:12:00 | Ground Speed                           |      |      | 484.8                                      |
| 2021-06-07 06:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-07 06:12:00 | Leg                                    |      |      | 1                                          |
| 2021-06-07 06:12:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-06-07 06:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-07 06:12:00 | N1 Indicated Fan Speed                 | 87.4 | 87.4 |                                            |
| 2021-06-07 06:12:00 | Oil Pressure                           | 43   | 46   |                                            |
| 2021-06-07 06:12:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-07 06:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-07 06:12:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-07 06:12:00 | Temperature Static Air                 |      |      | -41.3                                      |
| 2021-06-07 06:12:00 | Throttle Lever Angle                   | 61.5 | 61.5 |                                            |
| 2021-06-07 06:12:00 | Time GE Received                       |      |      | 07:43:46                                   |
| 2021-06-07 06:12:00 | Time Of Report                         |      |      | 06:12:00                                   |
| 2021-06-07 06:12:00 | Total Air Temperature Aircraft         |      |      | -14.3                                      |
| 2021-06-07 06:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 06:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 06:12:00 | Vibration N1 #1 Bearing                | 0.36 | 0.09 |                                            |
| 2021-06-07 06:12:00 | Vibration N1 Phase Angle #1 Bearing    | 19   | 64   |                                            |
| 2021-06-07 06:12:00 | Vibration N1 Phase Angle Turbine Frame | 43   | 86   |                                            |
| 2021-06-07 06:12:00 | Vibration N1 Turbine Frame             | 1.03 | 0.3  |                                            |
| 2021-06-07 06:12:00 | Vibration N2 #1 Bearing                | 0.1  | 0.11 |                                            |
| 2021-06-07 06:12:00 | Vibration N2 Turbine Frame             | 0.04 | 0.14 |                                            |
| 2021-06-07 01:14:00 | (1)                                    |      | 61.8 | 21                                         |
| 2021-06-07 01:14:00 | (1)                                    |      |      | 827                                        |
| 2021-06-07 01:14:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-07 01:14:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-07 01:14:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-07 01:14:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-07 01:14:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-07 01:14:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-07 01:14:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-07 01:14:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-07 01:14:00 | Air Speed Indicated                    |      |      | 285.3                                      |
| 2021-06-07 01:14:00 | Aircraft Gross Weight                  |      |      | 64682                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-07 01:14:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-07 01:14:00 | Altitude                               |      |      | 30100                                      |
| 2021-06-07 01:14:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-07 01:14:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-07 01:14:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-07 01:14:00 | Core Speed                             | 94.2 | 94.2 |                                            |
| 2021-06-07 01:14:00 | Date GE Received                       |      |      | 06/07/2021                                 |
| 2021-06-07 01:14:00 | Date of Report                         |      |      | 06/07/2021                                 |
| 2021-06-07 01:14:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-06-07 01:14:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-07 01:14:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-07 01:14:00 | EGT Exhaust Gas Temperature            | 647  | 654  |                                            |
| 2021-06-07 01:14:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-07 01:14:00 | Flight Counter                         |      |      | 1752                                       |
| 2021-06-07 01:14:00 | Flight Number ACARS                    |      |      | 5827                                       |
| 2021-06-07 01:14:00 | Flight Number ACMS                     |      |      | 5827                                       |
| 2021-06-07 01:14:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-07 01:14:00 | Fuel Flow                              | 1316 | 1296 |                                            |
| 2021-06-07 01:14:00 | Ground Speed                           |      |      | 440.4                                      |
| 2021-06-07 01:14:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-07 01:14:00 | Leg                                    |      |      | 1                                          |
| 2021-06-07 01:14:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-06-07 01:14:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-07 01:14:00 | N1 Indicated Fan Speed                 | 86.9 | 86.9 |                                            |
| 2021-06-07 01:14:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-06-07 01:14:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-06-07 01:14:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-07 01:14:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-07 01:14:00 | Temperature Static Air                 |      |      | -29.8                                      |
| 2021-06-07 01:14:00 | Throttle Lever Angle                   | 61.8 | 61.8 |                                            |
| 2021-06-07 01:14:00 | Time GE Received                       |      |      | 02:13:35                                   |
| 2021-06-07 01:14:00 | Time Of Report                         |      |      | 01:14:00                                   |
| 2021-06-07 01:14:00 | Total Air Temperature Aircraft         |      |      | -1.8                                       |
| 2021-06-07 01:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 01:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-07 01:14:00 | Vibration N1 #1 Bearing                | 0.32 | 0.2  |                                            |
| 2021-06-07 01:14:00 | Vibration N1 Phase Angle #1 Bearing    | 24   | 100  |                                            |
| 2021-06-07 01:14:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 110  |                                            |
| 2021-06-07 01:14:00 | Vibration N1 Turbine Frame             | 0.59 | 0.42 |                                            |
| 2021-06-07 01:14:00 | Vibration N2 #1 Bearing                | 0.03 | 0.13 |                                            |
| 2021-06-07 01:14:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-06-06 14:15:00 | (1)                                    |      | 60.5 | 21                                         |
| 2021-06-06 14:15:00 | (1)                                    |      |      | 828                                        |
| 2021-06-06 14:15:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-06 14:15:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-06 14:15:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-06 14:15:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-06 14:15:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-06 14:15:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-06 14:15:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-06 14:15:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-06 14:15:00 | Air Speed Indicated                    |      |      | 292.8                                      |
| 2021-06-06 14:15:00 | Aircraft Gross Weight                  |      |      | 62759                                      |
| 2021-06-06 14:15:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-06 14:15:00 | Altitude                               |      |      | 24604                                      |
| 2021-06-06 14:15:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-06 14:15:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-06 14:15:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-06 14:15:00 | Core Speed                             | 94.1 | 94   |                                            |
| 2021-06-06 14:15:00 | Date GE Received                       |      |      | 06/06/2021                                 |
| 2021-06-06 14:15:00 | Date of Report                         |      |      | 06/06/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-06 14:15:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-06 14:15:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-06-06 14:15:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-06-06 14:15:00 | EGT Exhaust Gas Temperature            | 638  | 642  |                                            |
| 2021-06-06 14:15:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-06 14:15:00 | Flight Counter                         |      |      | 1479                                       |
| 2021-06-06 14:15:00 | Flight Number ACARS                    |      |      | 5828                                       |
| 2021-06-06 14:15:00 | Flight Number ACMS                     |      |      | 5828                                       |
| 2021-06-06 14:15:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-06 14:15:00 | Fuel Flow                              | 1341 | 1324 |                                            |
| 2021-06-06 14:15:00 | Ground Speed                           |      |      | 441.1                                      |
| 2021-06-06 14:15:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-06 14:15:00 | Leg                                    |      |      | 1                                          |
| 2021-06-06 14:15:00 | Mach Number                            |      |      | 0.695                                      |
| 2021-06-06 14:15:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-06 14:15:00 | N1 Indicated Fan Speed                 | 83.4 | 83.5 |                                            |
| 2021-06-06 14:15:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-06-06 14:15:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-06 14:15:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-06 14:15:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-06 14:15:00 | Temperature Static Air                 |      |      | -13                                        |
| 2021-06-06 14:15:00 | Throttle Lever Angle                   | 60.5 | 60.5 |                                            |
| 2021-06-06 14:15:00 | Time GE Received                       |      |      | 15:17:11                                   |
| 2021-06-06 14:15:00 | Time Of Report                         |      |      | 14:15:00                                   |
| 2021-06-06 14:15:00 | Total Air Temperature Aircraft         |      |      | 12                                         |
| 2021-06-06 14:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-06 14:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-06 14:15:00 | Vibration N1 #1 Bearing                | 0.1  | 0.14 |                                            |
| 2021-06-06 14:15:00 | Vibration N1 Phase Angle #1 Bearing    | 36   | 98   |                                            |
| 2021-06-06 14:15:00 | Vibration N1 Phase Angle Turbine Frame | 17   | 100  |                                            |
| 2021-06-06 14:15:00 | Vibration N1 Turbine Frame             | 0.51 | 0.28 |                                            |
| 2021-06-06 14:15:00 | Vibration N2 #1 Bearing                | 0.05 | 0.14 |                                            |
| 2021-06-06 14:15:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-06-06 10:25:00 | (1)                                    |      | 60.8 | 21                                         |
| 2021-06-06 10:25:00 | (1)                                    |      |      | 810                                        |
| 2021-06-06 10:25:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-06 10:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-06 10:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-06 10:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-06 10:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-06 10:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-06 10:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-06 10:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-06 10:25:00 | Air Speed Indicated                    |      |      | 292.9                                      |
| 2021-06-06 10:25:00 | Aircraft Gross Weight                  |      |      | 63521                                      |
| 2021-06-06 10:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-06 10:25:00 | Altitude                               |      |      | 30098                                      |
| 2021-06-06 10:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-06 10:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-06 10:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-06 10:25:00 | Core Speed                             | 92.7 | 92.6 |                                            |
| 2021-06-06 10:25:00 | Date GE Received                       |      |      | 06/06/2021                                 |
| 2021-06-06 10:25:00 | Date of Report                         |      |      | 06/06/2021                                 |
| 2021-06-06 10:25:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-06 10:25:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-06 10:25:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-06 10:25:00 | EGT Exhaust Gas Temperature            | 627  | 628  |                                            |
| 2021-06-06 10:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-06 10:25:00 | Flight Counter                         |      |      | 2134                                       |
| 2021-06-06 10:25:00 | Flight Number ACARS                    |      |      | 5810                                       |
| 2021-06-06 10:25:00 | Flight Number ACMS                     |      |      | 5810                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-06 10:25:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-06 10:25:00 | Fuel Flow                              | 1309 | 1290 |                                            |
| 2021-06-06 10:25:00 | Ground Speed                           |      |      | 476.8                                      |
| 2021-06-06 10:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-06 10:25:00 | Leg                                    |      |      | 1                                          |
| 2021-06-06 10:25:00 | Mach Number                            |      |      | 0.775                                      |
| 2021-06-06 10:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-06 10:25:00 | N1 Indicated Fan Speed                 | 85.6 | 85.6 |                                            |
| 2021-06-06 10:25:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-06-06 10:25:00 | Oil Temperature                        | 105  | 104  |                                            |
| 2021-06-06 10:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-06 10:25:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-06 10:25:00 | Temperature Static Air                 |      |      | -37                                        |
| 2021-06-06 10:25:00 | Throttle Lever Angle                   | 60.9 | 60.8 |                                            |
| 2021-06-06 10:25:00 | Time GE Received                       |      |      | 12:20:55                                   |
| 2021-06-06 10:25:00 | Time Of Report                         |      |      | 10:25:00                                   |
| 2021-06-06 10:25:00 | Total Air Temperature Aircraft         |      |      | -8.8                                       |
| 2021-06-06 10:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-06 10:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-06 10:25:00 | Vibration N1 #1 Bearing                | 0.25 | 0.17 |                                            |
| 2021-06-06 10:25:00 | Vibration N1 Phase Angle #1 Bearing    | 13   | 91   |                                            |
| 2021-06-06 10:25:00 | Vibration N1 Phase Angle Turbine Frame | 21   | 101  |                                            |
| 2021-06-06 10:25:00 | Vibration N1 Turbine Frame             | 0.5  | 0.3  |                                            |
| 2021-06-06 10:25:00 | Vibration N2 #1 Bearing                | 0.05 | 0.07 |                                            |
| 2021-06-06 10:25:00 | Vibration N2 Turbine Frame             | 0.04 | 0.06 |                                            |
| 2021-06-06 05:34:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-06-06 05:34:00 | (1)                                    |      |      | 809                                        |
| 2021-06-06 05:34:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-06 05:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-06 05:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-06 05:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-06 05:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-06 05:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-06 05:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-06 05:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-06 05:34:00 | Air Speed Indicated                    |      |      | 256.4                                      |
| 2021-06-06 05:34:00 | Aircraft Gross Weight                  |      |      | 66170                                      |
| 2021-06-06 05:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-06 05:34:00 | Altitude                               |      |      | 35104                                      |
| 2021-06-06 05:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-06 05:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-06 05:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-06 05:34:00 | Core Speed                             | 93.9 | 93.6 |                                            |
| 2021-06-06 05:34:00 | Date GE Received                       |      |      | 06/06/2021                                 |
| 2021-06-06 05:34:00 | Date of Report                         |      |      | 06/06/2021                                 |
| 2021-06-06 05:34:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-06 05:34:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-06 05:34:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-06-06 05:34:00 | EGT Exhaust Gas Temperature            | 667  | 683  |                                            |
| 2021-06-06 05:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-06 05:34:00 | Flight Counter                         |      |      | 1864                                       |
| 2021-06-06 05:34:00 | Flight Number ACARS                    |      |      | 5809                                       |
| 2021-06-06 05:34:00 | Flight Number ACMS                     |      |      | 5809                                       |
| 2021-06-06 05:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-06 05:34:00 | Fuel Flow                              | 1220 | 1217 |                                            |
| 2021-06-06 05:34:00 | Ground Speed                           |      |      | 454.3                                      |
| 2021-06-06 05:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-06 05:34:00 | Leg                                    |      |      | 1                                          |
| 2021-06-06 05:34:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-06-06 05:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-06 05:34:00 | N1 Indicated Fan Speed                 | 89.3 | 89.3 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-06 05:34:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-06-06 05:34:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-06-06 05:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-06 05:34:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-06 05:34:00 | Temperature Static Air                 |      |      | -41                                        |
| 2021-06-06 05:34:00 | Throttle Lever Angle                   | 62.8 | 62.7 |                                            |
| 2021-06-06 05:34:00 | Time GE Received                       |      |      | 07:31:48                                   |
| 2021-06-06 05:34:00 | Time Of Report                         |      |      | 05:34:00                                   |
| 2021-06-06 05:34:00 | Total Air Temperature Aircraft         |      |      | -14.3                                      |
| 2021-06-06 05:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-06 05:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-06 05:34:00 | Vibration N1 #1 Bearing                | 0.4  | 0.07 |                                            |
| 2021-06-06 05:34:00 | Vibration N1 Phase Angle #1 Bearing    | 33   | 174  |                                            |
| 2021-06-06 05:34:00 | Vibration N1 Phase Angle Turbine Frame | 50   | 78   |                                            |
| 2021-06-06 05:34:00 | Vibration N1 Turbine Frame             | 0.68 | 0.48 |                                            |
| 2021-06-06 05:34:00 | Vibration N2 #1 Bearing                | 0.08 | 0.08 |                                            |
| 2021-06-06 05:34:00 | Vibration N2 Turbine Frame             | 0.08 | 0.1  |                                            |
| 2021-06-05 08:43:00 | (1)                                    |      | 59.9 | 21                                         |
| 2021-06-05 08:43:00 | (1)                                    |      |      | 854                                        |
| 2021-06-05 08:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-05 08:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-05 08:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-05 08:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-05 08:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-05 08:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-05 08:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-05 08:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-05 08:43:00 | Air Speed Indicated                    |      |      | 295.7                                      |
| 2021-06-05 08:43:00 | Aircraft Gross Weight                  |      |      | 64573                                      |
| 2021-06-05 08:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-05 08:43:00 | Altitude                               |      |      | 23601                                      |
| 2021-06-05 08:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-05 08:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-05 08:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-05 08:43:00 | Core Speed                             | 93.6 | 93.5 |                                            |
| 2021-06-05 08:43:00 | Date GE Received                       |      |      | 06/05/2021                                 |
| 2021-06-05 08:43:00 | Date of Report                         |      |      | 06/05/2021                                 |
| 2021-06-05 08:43:00 | Departure Station                      |      |      | ZSC                                        |
| 2021-06-05 08:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-05 08:43:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-05 08:43:00 | EGT Exhaust Gas Temperature            | 623  | 632  |                                            |
| 2021-06-05 08:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-05 08:43:00 | Flight Counter                         |      |      | 1134                                       |
| 2021-06-05 08:43:00 | Flight Number ACARS                    |      |      | 7854                                       |
| 2021-06-05 08:43:00 | Flight Number ACMS                     |      |      | 7854                                       |
| 2021-06-05 08:43:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-05 08:43:00 | Fuel Flow                              | 1379 | 1371 |                                            |
| 2021-06-05 08:43:00 | Ground Speed                           |      |      | 386.8                                      |
| 2021-06-05 08:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-05 08:43:00 | Leg                                    |      |      | 1                                          |
| 2021-06-05 08:43:00 | Mach Number                            |      |      | 0.688                                      |
| 2021-06-05 08:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-05 08:43:00 | N1 Indicated Fan Speed                 | 82.8 | 82.9 |                                            |
| 2021-06-05 08:43:00 | Oil Pressure                           | 47   | 50   |                                            |
| 2021-06-05 08:43:00 | Oil Temperature                        | 108  | 107  |                                            |
| 2021-06-05 08:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-05 08:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-05 08:43:00 | Temperature Static Air                 |      |      | -16                                        |
| 2021-06-05 08:43:00 | Throttle Lever Angle                   | 59.8 | 59.9 |                                            |
| 2021-06-05 08:43:00 | Time GE Received                       |      |      | 10:22:32                                   |
| 2021-06-05 08:43:00 | Time Of Report                         |      |      | 08:43:00                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-05 08:43:00 | Total Air Temperature Aircraft         |      |      | 8.5                                        |
| 2021-06-05 08:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-05 08:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-05 08:43:00 | Vibration N1 #1 Bearing                | 0.26 | 0.1  |                                            |
| 2021-06-05 08:43:00 | Vibration N1 Phase Angle #1 Bearing    | 21   | 86   |                                            |
| 2021-06-05 08:43:00 | Vibration N1 Phase Angle Turbine Frame | 17   | 83   |                                            |
| 2021-06-05 08:43:00 | Vibration N1 Turbine Frame             | 0.6  | 0.24 |                                            |
| 2021-06-05 08:43:00 | Vibration N2 #1 Bearing                | 0.07 | 0.1  |                                            |
| 2021-06-05 08:43:00 | Vibration N2 Turbine Frame             | 0.09 | 0.11 |                                            |
| 2021-06-05 05:36:00 | (1)                                    |      | 60.8 | 21                                         |
| 2021-06-05 05:36:00 | (1)                                    |      |      | 853                                        |
| 2021-06-05 05:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-05 05:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-05 05:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-05 05:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-05 05:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-05 05:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-05 05:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-05 05:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-05 05:36:00 | Air Speed Indicated                    |      |      | 296.8                                      |
| 2021-06-05 05:36:00 | Aircraft Gross Weight                  |      |      | 61107                                      |
| 2021-06-05 05:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-05 05:36:00 | Altitude                               |      |      | 24608                                      |
| 2021-06-05 05:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-05 05:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-05 05:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-05 05:36:00 | Core Speed                             | 94.3 | 94.3 |                                            |
| 2021-06-05 05:36:00 | Date GE Received                       |      |      | 06/05/2021                                 |
| 2021-06-05 05:36:00 | Date of Report                         |      |      | 06/05/2021                                 |
| 2021-06-05 05:36:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-05 05:36:00 | Destination Station                    |      |      | ZSC                                        |
| 2021-06-05 05:36:00 | Downlink Ground Station                |      |      | KHN                                        |
| 2021-06-05 05:36:00 | EGT Exhaust Gas Temperature            | 638  | 645  |                                            |
| 2021-06-05 05:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-05 05:36:00 | Flight Counter                         |      |      | 2427                                       |
| 2021-06-05 05:36:00 | Flight Number ACARS                    |      |      | 7853                                       |
| 2021-06-05 05:36:00 | Flight Number ACMS                     |      |      | 7853                                       |
| 2021-06-05 05:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-05 05:36:00 | Fuel Flow                              | 1387 | 1366 |                                            |
| 2021-06-05 05:36:00 | Ground Speed                           |      |      | 466.2                                      |
| 2021-06-05 05:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-05 05:36:00 | Leg                                    |      |      | 1                                          |
| 2021-06-05 05:36:00 | Mach Number                            |      |      | 0.705                                      |
| 2021-06-05 05:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-05 05:36:00 | N1 Indicated Fan Speed                 | 84.1 | 84.1 |                                            |
| 2021-06-05 05:36:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-06-05 05:36:00 | Oil Temperature                        | 111  | 111  |                                            |
| 2021-06-05 05:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-05 05:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-05 05:36:00 | Temperature Static Air                 |      |      | -15.5                                      |
| 2021-06-05 05:36:00 | Throttle Lever Angle                   | 60.8 | 60.8 |                                            |
| 2021-06-05 05:36:00 | Time GE Received                       |      |      | 07:02:02                                   |
| 2021-06-05 05:36:00 | Time Of Report                         |      |      | 05:36:00                                   |
| 2021-06-05 05:36:00 | Total Air Temperature Aircraft         |      |      | 10                                         |
| 2021-06-05 05:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-05 05:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-05 05:36:00 | Vibration N1 #1 Bearing                | 0.2  | 0.14 |                                            |
| 2021-06-05 05:36:00 | Vibration N1 Phase Angle #1 Bearing    | 35   | 89   |                                            |
| 2021-06-05 05:36:00 | Vibration N1 Phase Angle Turbine Frame | 17   | 92   |                                            |
| 2021-06-05 05:36:00 | Vibration N1 Turbine Frame             | 0.64 | 0.29 |                                            |
| 2021-06-05 05:36:00 | Vibration N2 #1 Bearing                | 0.04 | 0.16 |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-05 05:36:00 | Vibration N2 Turbine Frame             | 0.06 | 0.09 |                                            |
| 2021-06-05 00:31:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-06-05 00:31:00 | (1)                                    |      |      | 814                                        |
| 2021-06-05 00:31:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-05 00:31:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-05 00:31:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-05 00:31:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-05 00:31:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-05 00:31:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-05 00:31:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-05 00:31:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-05 00:31:00 | Air Speed Indicated                    |      |      | 282.9                                      |
| 2021-06-05 00:31:00 | Aircraft Gross Weight                  |      |      | 66387                                      |
| 2021-06-05 00:31:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-05 00:31:00 | Altitude                               |      |      | 30102                                      |
| 2021-06-05 00:31:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-05 00:31:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-05 00:31:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-05 00:31:00 | Core Speed                             | 94.3 | 94.2 |                                            |
| 2021-06-05 00:31:00 | Date GE Received                       |      |      | 06/05/2021                                 |
| 2021-06-05 00:31:00 | Date of Report                         |      |      | 06/05/2021                                 |
| 2021-06-05 00:31:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-05 00:31:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-05 00:31:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-05 00:31:00 | EGT Exhaust Gas Temperature            | 653  | 662  |                                            |
| 2021-06-05 00:31:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-05 00:31:00 | Flight Counter                         |      |      | 1954                                       |
| 2021-06-05 00:31:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-06-05 00:31:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-06-05 00:31:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-05 00:31:00 | Fuel Flow                              | 1332 | 1319 |                                            |
| 2021-06-05 00:31:00 | Ground Speed                           |      |      | 384.1                                      |
| 2021-06-05 00:31:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-05 00:31:00 | Leg                                    |      |      | 1                                          |
| 2021-06-05 00:31:00 | Mach Number                            |      |      | 0.75                                       |
| 2021-06-05 00:31:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-05 00:31:00 | N1 Indicated Fan Speed                 | 87.3 | 87.4 |                                            |
| 2021-06-05 00:31:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-06-05 00:31:00 | Oil Temperature                        | 107  | 107  |                                            |
| 2021-06-05 00:31:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-05 00:31:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-05 00:31:00 | Temperature Static Air                 |      |      | -29.2                                      |
| 2021-06-05 00:31:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-06-05 00:31:00 | Time GE Received                       |      |      | 02:44:00                                   |
| 2021-06-05 00:31:00 | Time Of Report                         |      |      | 00:31:00                                   |
| 2021-06-05 00:31:00 | Total Air Temperature Aircraft         |      |      | -1.8                                       |
| 2021-06-05 00:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-05 00:31:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-05 00:31:00 | Vibration N1 #1 Bearing                | 0.32 | 0.24 |                                            |
| 2021-06-05 00:31:00 | Vibration N1 Phase Angle #1 Bearing    | 17   | 122  |                                            |
| 2021-06-05 00:31:00 | Vibration N1 Phase Angle Turbine Frame | 33   | 131  |                                            |
| 2021-06-05 00:31:00 | Vibration N1 Turbine Frame             | 0.57 | 0.43 |                                            |
| 2021-06-05 00:31:00 | Vibration N2 #1 Bearing                | 0.04 | 0.15 |                                            |
| 2021-06-05 00:31:00 | Vibration N2 Turbine Frame             | 0.08 | 0.1  |                                            |
| 2021-06-04 13:12:00 | (1)                                    |      | 63.6 | 21                                         |
| 2021-06-04 13:12:00 | (1)                                    |      |      | 813                                        |
| 2021-06-04 13:12:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-04 13:12:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-04 13:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-04 13:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-04 13:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-04 13:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-04 13:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-04 13:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-04 13:12:00 | Air Speed Indicated                    |      |      | 262                                        |
| 2021-06-04 13:12:00 | Aircraft Gross Weight                  |      |      | 66206                                      |
| 2021-06-04 13:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-04 13:12:00 | Altitude                               |      |      | 35098                                      |
| 2021-06-04 13:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-04 13:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-04 13:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-04 13:12:00 | Core Speed                             | 94.6 | 94.3 |                                            |
| 2021-06-04 13:12:00 | Date GE Received                       |      |      | 06/04/2021                                 |
| 2021-06-04 13:12:00 | Date of Report                         |      |      | 06/04/2021                                 |
| 2021-06-04 13:12:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-04 13:12:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-04 13:12:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-06-04 13:12:00 | EGT Exhaust Gas Temperature            | 683  | 698  |                                            |
| 2021-06-04 13:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-04 13:12:00 | Flight Counter                         |      |      | 2296                                       |
| 2021-06-04 13:12:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-06-04 13:12:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-06-04 13:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-04 13:12:00 | Fuel Flow                              | 1264 | 1260 |                                            |
| 2021-06-04 13:12:00 | Ground Speed                           |      |      | 503.5                                      |
| 2021-06-04 13:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-04 13:12:00 | Leg                                    |      |      | 1                                          |
| 2021-06-04 13:12:00 | Mach Number                            |      |      | 0.775                                      |
| 2021-06-04 13:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-04 13:12:00 | N1 Indicated Fan Speed                 | 90.3 | 90.3 |                                            |
| 2021-06-04 13:12:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-04 13:12:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-04 13:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-04 13:12:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-04 13:12:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-06-04 13:12:00 | Throttle Lever Angle                   | 63.7 | 63.6 |                                            |
| 2021-06-04 13:12:00 | Time GE Received                       |      |      | 14:52:34                                   |
| 2021-06-04 13:12:00 | Time Of Report                         |      |      | 13:12:00                                   |
| 2021-06-04 13:12:00 | Total Air Temperature Aircraft         |      |      | -10.2                                      |
| 2021-06-04 13:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-04 13:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-04 13:12:00 | Vibration N1 #1 Bearing                | 0.49 | 0.13 |                                            |
| 2021-06-04 13:12:00 | Vibration N1 Phase Angle #1 Bearing    | 41   | 109  |                                            |
| 2021-06-04 13:12:00 | Vibration N1 Phase Angle Turbine Frame | 38   | 110  |                                            |
| 2021-06-04 13:12:00 | Vibration N1 Turbine Frame             | 0.67 | 0.3  |                                            |
| 2021-06-04 13:12:00 | Vibration N2 #1 Bearing                | 0.04 | 0.18 |                                            |
| 2021-06-04 13:12:00 | Vibration N2 Turbine Frame             | 0.04 | 0.12 |                                            |
| 2021-06-04 00:12:00 | (1)                                    |      |      | 62.4                                       |
| 2021-06-04 00:12:00 | (1)                                    |      |      | 21                                         |
| 2021-06-04 00:12:00 | A/I Valve Position Nacelle             | 0    | 0    | 814                                        |
| 2021-06-04 00:12:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-04 00:12:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-04 00:12:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-04 00:12:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-04 00:12:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-04 00:12:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-04 00:12:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-04 00:12:00 | Air Speed Indicated                    |      |      | 285.9                                      |
| 2021-06-04 00:12:00 | Aircraft Gross Weight                  |      |      | 65680                                      |
| 2021-06-04 00:12:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-04 00:12:00 | Altitude                               |      |      | 30102                                      |
| 2021-06-04 00:12:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-04 00:12:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-04 00:12:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-04 00:12:00 | Core Speed                             | 94.7 | 94.7 |                                            |
| 2021-06-04 00:12:00 | Date GE Received                       |      |      | 06/04/2021                                 |
| 2021-06-04 00:12:00 | Date of Report                         |      |      | 06/04/2021                                 |
| 2021-06-04 00:12:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-06-04 00:12:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-04 00:12:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-04 00:12:00 | EGT Exhaust Gas Temperature            | 658  | 666  |                                            |
| 2021-06-04 00:12:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-04 00:12:00 | Flight Counter                         |      |      | 1794                                       |
| 2021-06-04 00:12:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-06-04 00:12:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-06-04 00:12:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-04 00:12:00 | Fuel Flow                              | 1355 | 1347 |                                            |
| 2021-06-04 00:12:00 | Ground Speed                           |      |      | 374.8                                      |
| 2021-06-04 00:12:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-04 00:12:00 | Leg                                    |      |      | 1                                          |
| 2021-06-04 00:12:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-06-04 00:12:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-04 00:12:00 | N1 Indicated Fan Speed                 | 87.7 | 87.8 |                                            |
| 2021-06-04 00:12:00 | Oil Pressure                           | 46   | 49   |                                            |
| 2021-06-04 00:12:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-06-04 00:12:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-04 00:12:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-04 00:12:00 | Temperature Static Air                 |      |      | -28.8                                      |
| 2021-06-04 00:12:00 | Throttle Lever Angle                   | 62.4 | 62.4 |                                            |
| 2021-06-04 00:12:00 | Time GE Received                       |      |      | 02:37:01                                   |
| 2021-06-04 00:12:00 | Time Of Report                         |      |      | 00:12:00                                   |
| 2021-06-04 00:12:00 | Total Air Temperature Aircraft         |      |      | -0.8                                       |
| 2021-06-04 00:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-04 00:12:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-04 00:12:00 | Vibration N1 #1 Bearing                | 0.34 | 0.23 |                                            |
| 2021-06-04 00:12:00 | Vibration N1 Phase Angle #1 Bearing    | 5    | 118  |                                            |
| 2021-06-04 00:12:00 | Vibration N1 Phase Angle Turbine Frame | 26   | 129  |                                            |
| 2021-06-04 00:12:00 | Vibration N1 Turbine Frame             | 0.51 | 0.43 |                                            |
| 2021-06-04 00:12:00 | Vibration N2 #1 Bearing                | 0.05 | 0.13 |                                            |
| 2021-06-04 00:12:00 | Vibration N2 Turbine Frame             | 0.08 | 0.05 |                                            |
| 2021-06-03 13:50:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-06-03 13:50:00 | (1)                                    |      |      | 813                                        |
| 2021-06-03 13:50:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-03 13:50:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-03 13:50:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-03 13:50:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-03 13:50:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-03 13:50:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-03 13:50:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-03 13:50:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-03 13:50:00 | Air Speed Indicated                    |      |      | 252.2                                      |
| 2021-06-03 13:50:00 | Aircraft Gross Weight                  |      |      | 65299                                      |
| 2021-06-03 13:50:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-03 13:50:00 | Altitude                               |      |      | 35109                                      |
| 2021-06-03 13:50:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-03 13:50:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-03 13:50:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-03 13:50:00 | Core Speed                             | 93.8 | 93.6 |                                            |
| 2021-06-03 13:50:00 | Date GE Received                       |      |      | 06/03/2021                                 |
| 2021-06-03 13:50:00 | Date of Report                         |      |      | 06/03/2021                                 |
| 2021-06-03 13:50:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-03 13:50:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-06-03 13:50:00 | Downlink Ground Station                |      |      | NKG                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-03 13:50:00 | EGT Exhaust Gas Temperature            | 664  | 682  |                                            |
| 2021-06-03 13:50:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-03 13:50:00 | Flight Counter                         |      |      | 3136                                       |
| 2021-06-03 13:50:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-06-03 13:50:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-06-03 13:50:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-03 13:50:00 | Fuel Flow                              | 1169 | 1173 |                                            |
| 2021-06-03 13:50:00 | Ground Speed                           |      |      | 473.5                                      |
| 2021-06-03 13:50:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-03 13:50:00 | Leg                                    |      |      | 1                                          |
| 2021-06-03 13:50:00 | Mach Number                            |      |      | 0.749                                      |
| 2021-06-03 13:50:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-03 13:50:00 | N1 Indicated Fan Speed                 | 88.7 | 88.8 |                                            |
| 2021-06-03 13:50:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-06-03 13:50:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-06-03 13:50:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-03 13:50:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-03 13:50:00 | Temperature Static Air                 |      |      | -37.7                                      |
| 2021-06-03 13:50:00 | Throttle Lever Angle                   | 62.7 | 62.7 |                                            |
| 2021-06-03 13:50:00 | Time GE Received                       |      |      | 15:44:53                                   |
| 2021-06-03 13:50:00 | Time Of Report                         |      |      | 13:50:00                                   |
| 2021-06-03 13:50:00 | Total Air Temperature Aircraft         |      |      | -11.3                                      |
| 2021-06-03 13:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-03 13:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-03 13:50:00 | Vibration N1 #1 Bearing                | 0.55 | 0.14 |                                            |
| 2021-06-03 13:50:00 | Vibration N1 Phase Angle #1 Bearing    | 17   | 168  |                                            |
| 2021-06-03 13:50:00 | Vibration N1 Phase Angle Turbine Frame | 49   | 69   |                                            |
| 2021-06-03 13:50:00 | Vibration N1 Turbine Frame             | 0.96 | 0.4  |                                            |
| 2021-06-03 13:50:00 | Vibration N2 #1 Bearing                | 0.13 | 0.09 |                                            |
| 2021-06-03 13:50:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-06-02 10:18:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-06-02 10:18:00 | (1)                                    |      |      | 736                                        |
| 2021-06-02 10:18:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-02 10:18:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-02 10:18:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-02 10:18:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-02 10:18:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-02 10:18:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-02 10:18:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-02 10:18:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-02 10:18:00 | Air Speed Indicated                    |      |      | 276.7                                      |
| 2021-06-02 10:18:00 | Aircraft Gross Weight                  |      |      | 65081                                      |
| 2021-06-02 10:18:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-02 10:18:00 | Altitude                               |      |      | 32102                                      |
| 2021-06-02 10:18:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-02 10:18:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-02 10:18:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-02 10:18:00 | Core Speed                             | 94.7 | 94.7 |                                            |
| 2021-06-02 10:18:00 | Date GE Received                       |      |      | 06/03/2021                                 |
| 2021-06-02 10:18:00 | Date of Report                         |      |      | 06/02/2021                                 |
| 2021-06-02 10:18:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-06-02 10:18:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-02 10:18:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-02 10:18:00 | EGT Exhaust Gas Temperature            | 665  | 670  |                                            |
| 2021-06-02 10:18:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-02 10:18:00 | Flight Counter                         |      |      | 1721                                       |
| 2021-06-02 10:18:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-06-02 10:18:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-06-02 10:18:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-02 10:18:00 | Fuel Flow                              | 1275 | 1270 |                                            |
| 2021-06-02 10:18:00 | Ground Speed                           |      |      | 464                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-02 10:18:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-02 10:18:00 | Leg                                    |      |      | 1                                          |
| 2021-06-02 10:18:00 | Mach Number                            |      |      | 0.766                                      |
| 2021-06-02 10:18:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-02 10:18:00 | N1 Indicated Fan Speed                 | 88.1 | 88.2 |                                            |
| 2021-06-02 10:18:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-06-02 10:18:00 | Oil Temperature                        | 115  | 115  |                                            |
| 2021-06-02 10:18:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-02 10:18:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-02 10:18:00 | Temperature Static Air                 |      |      | -30.8                                      |
| 2021-06-02 10:18:00 | Throttle Lever Angle                   | 62.6 | 62.7 |                                            |
| 2021-06-02 10:18:00 | Time GE Received                       |      |      | 10:29:21                                   |
| 2021-06-02 10:18:00 | Time Of Report                         |      |      | 10:18:00                                   |
| 2021-06-02 10:18:00 | Total Air Temperature Aircraft         |      |      | -2.3                                       |
| 2021-06-02 10:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-02 10:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-02 10:18:00 | Vibration N1 #1 Bearing                | 0.42 | 0.21 |                                            |
| 2021-06-02 10:18:00 | Vibration N1 Phase Angle #1 Bearing    | 24   | 90   |                                            |
| 2021-06-02 10:18:00 | Vibration N1 Phase Angle Turbine Frame | 25   | 115  |                                            |
| 2021-06-02 10:18:00 | Vibration N1 Turbine Frame             | 0.65 | 0.45 |                                            |
| 2021-06-02 10:18:00 | Vibration N2 #1 Bearing                | 0.05 | 0.15 |                                            |
| 2021-06-02 10:18:00 | Vibration N2 Turbine Frame             | 0.1  | 0.07 |                                            |
| 2021-06-02 05:32:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-06-02 05:32:00 | (1)                                    |      |      | 735                                        |
| 2021-06-02 05:32:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-02 05:32:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-02 05:32:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-02 05:32:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-02 05:32:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-02 05:32:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-02 05:32:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-02 05:32:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-02 05:32:00 | Air Speed Indicated                    |      |      | 261.1                                      |
| 2021-06-02 05:32:00 | Aircraft Gross Weight                  |      |      | 66024                                      |
| 2021-06-02 05:32:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-02 05:32:00 | Altitude                               |      |      | 35101                                      |
| 2021-06-02 05:32:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-02 05:32:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-02 05:32:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-02 05:32:00 | Core Speed                             | 94   | 93.7 |                                            |
| 2021-06-02 05:32:00 | Date GE Received                       |      |      | 06/02/2021                                 |
| 2021-06-02 05:32:00 | Date of Report                         |      |      | 06/02/2021                                 |
| 2021-06-02 05:32:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-02 05:32:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-06-02 05:32:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-06-02 05:32:00 | EGT Exhaust Gas Temperature            | 669  | 683  |                                            |
| 2021-06-02 05:32:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-02 05:32:00 | Flight Counter                         |      |      | 1539                                       |
| 2021-06-02 05:32:00 | Flight Number ACARS                    |      |      | 5735                                       |
| 2021-06-02 05:32:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-06-02 05:32:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-02 05:32:00 | Fuel Flow                              | 1201 | 1196 |                                            |
| 2021-06-02 05:32:00 | Ground Speed                           |      |      | 461.7                                      |
| 2021-06-02 05:32:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-02 05:32:00 | Leg                                    |      |      | 1                                          |
| 2021-06-02 05:32:00 | Mach Number                            |      |      | 0.773                                      |
| 2021-06-02 05:32:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-02 05:32:00 | N1 Indicated Fan Speed                 | 89   | 89   |                                            |
| 2021-06-02 05:32:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-02 05:32:00 | Oil Temperature                        | 113  | 111  |                                            |
| 2021-06-02 05:32:00 | Report Number ACMS                     |      |      | CRZ                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-02 05:32:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-02 05:32:00 | Temperature Static Air                 |      |      | -38.3                                      |
| 2021-06-02 05:32:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-06-02 05:32:00 | Time GE Received                       |      |      | 06:21:15                                   |
| 2021-06-02 05:32:00 | Time Of Report                         |      |      | 05:32:00                                   |
| 2021-06-02 05:32:00 | Total Air Temperature Aircraft         |      |      | -10                                        |
| 2021-06-02 05:32:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-02 05:32:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-02 05:32:00 | Vibration N1 #1 Bearing                | 0.34 | 0.09 |                                            |
| 2021-06-02 05:32:00 | Vibration N1 Phase Angle #1 Bearing    | 47   | 143  |                                            |
| 2021-06-02 05:32:00 | Vibration N1 Phase Angle Turbine Frame | 39   | 88   |                                            |
| 2021-06-02 05:32:00 | Vibration N1 Turbine Frame             | 0.65 | 0.4  |                                            |
| 2021-06-02 05:32:00 | Vibration N2 #1 Bearing                | 0.07 | 0.08 |                                            |
| 2021-06-02 05:32:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-06-01 13:10:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-06-01 13:10:00 | (1)                                    |      |      | 736                                        |
| 2021-06-01 13:10:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-06-01 13:10:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-01 13:10:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-01 13:10:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-01 13:10:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-01 13:10:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-01 13:10:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-01 13:10:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-01 13:10:00 | Air Speed Indicated                    |      |      | 262.9                                      |
| 2021-06-01 13:10:00 | Aircraft Gross Weight                  |      |      | 65335                                      |
| 2021-06-01 13:10:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-01 13:10:00 | Altitude                               |      |      | 34103                                      |
| 2021-06-01 13:10:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-01 13:10:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-01 13:10:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-01 13:10:00 | Core Speed                             | 94.2 | 94   |                                            |
| 2021-06-01 13:10:00 | Date GE Received                       |      |      | 06/01/2021                                 |
| 2021-06-01 13:10:00 | Date of Report                         |      |      | 06/01/2021                                 |
| 2021-06-01 13:10:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-06-01 13:10:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-06-01 13:10:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-06-01 13:10:00 | EGT Exhaust Gas Temperature            | 667  | 683  |                                            |
| 2021-06-01 13:10:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-01 13:10:00 | Flight Counter                         |      |      | 922                                        |
| 2021-06-01 13:10:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-06-01 13:10:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-06-01 13:10:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-01 13:10:00 | Fuel Flow                              | 1213 | 1216 |                                            |
| 2021-06-01 13:10:00 | Ground Speed                           |      |      | 445                                        |
| 2021-06-01 13:10:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-01 13:10:00 | Leg                                    |      |      | 1                                          |
| 2021-06-01 13:10:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-06-01 13:10:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-01 13:10:00 | N1 Indicated Fan Speed                 | 88.6 | 88.7 |                                            |
| 2021-06-01 13:10:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-01 13:10:00 | Oil Temperature                        | 116  | 115  |                                            |
| 2021-06-01 13:10:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-01 13:10:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-01 13:10:00 | Temperature Static Air                 |      |      | -35                                        |
| 2021-06-01 13:10:00 | Throttle Lever Angle                   | 62.7 | 62.8 |                                            |
| 2021-06-01 13:10:00 | Time GE Received                       |      |      | 14:09:58                                   |
| 2021-06-01 13:10:00 | Time Of Report                         |      |      | 13:10:00                                   |
| 2021-06-01 13:10:00 | Total Air Temperature Aircraft         |      |      | -7.3                                       |
| 2021-06-01 13:10:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-01 13:10:00 | Unknown parameter/formatting character |      |      | 0                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-06-01 13:10:00 | Vibration N1 #1 Bearing                | 0.4  | 0.14 |                                            |
| 2021-06-01 13:10:00 | Vibration N1 Phase Angle #1 Bearing    | 27   | 86   |                                            |
| 2021-06-01 13:10:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 119  |                                            |
| 2021-06-01 13:10:00 | Vibration N1 Turbine Frame             | 0.49 | 0.41 |                                            |
| 2021-06-01 13:10:00 | Vibration N2 #1 Bearing                | 0.09 | 0.17 |                                            |
| 2021-06-01 13:10:00 | Vibration N2 Turbine Frame             | 0.11 | 0.11 |                                            |
| 2021-06-01 05:40:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-06-01 05:40:00 | (1)                                    |      |      | 735                                        |
| 2021-06-01 05:40:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-06-01 05:40:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-06-01 05:40:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-06-01 05:40:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-06-01 05:40:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-06-01 05:40:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-06-01 05:40:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-06-01 05:40:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-06-01 05:40:00 | Air Speed Indicated                    |      |      | 254.4                                      |
| 2021-06-01 05:40:00 | Aircraft Gross Weight                  |      |      | 64791                                      |
| 2021-06-01 05:40:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-06-01 05:40:00 | Altitude                               |      |      | 35101                                      |
| 2021-06-01 05:40:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-06-01 05:40:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-06-01 05:40:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-06-01 05:40:00 | Core Speed                             | 93.9 | 93.6 |                                            |
| 2021-06-01 05:40:00 | Date GE Received                       |      |      | 06/01/2021                                 |
| 2021-06-01 05:40:00 | Date of Report                         |      |      | 06/01/2021                                 |
| 2021-06-01 05:40:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-06-01 05:40:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-06-01 05:40:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-06-01 05:40:00 | EGT Exhaust Gas Temperature            | 675  | 699  |                                            |
| 2021-06-01 05:40:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-06-01 05:40:00 | Flight Counter                         |      |      | 2378                                       |
| 2021-06-01 05:40:00 | Flight Number ACARS                    |      |      | 5735                                       |
| 2021-06-01 05:40:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-06-01 05:40:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-06-01 05:40:00 | Fuel Flow                              | 1184 | 1204 |                                            |
| 2021-06-01 05:40:00 | Ground Speed                           |      |      | 447                                        |
| 2021-06-01 05:40:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-06-01 05:40:00 | Leg                                    |      |      | 1                                          |
| 2021-06-01 05:40:00 | Mach Number                            |      |      | 0.755                                      |
| 2021-06-01 05:40:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-06-01 05:40:00 | N1 Indicated Fan Speed                 | 88.7 | 88.7 |                                            |
| 2021-06-01 05:40:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-06-01 05:40:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-06-01 05:40:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-06-01 05:40:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-06-01 05:40:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-06-01 05:40:00 | Throttle Lever Angle                   | 63.1 | 63.1 |                                            |
| 2021-06-01 05:40:00 | Time GE Received                       |      |      | 06:34:23                                   |
| 2021-06-01 05:40:00 | Time Of Report                         |      |      | 05:40:00                                   |
| 2021-06-01 05:40:00 | Total Air Temperature Aircraft         |      |      | -11.8                                      |
| 2021-06-01 05:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-01 05:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-06-01 05:40:00 | Vibration N1 #1 Bearing                | 0.39 | 0.06 |                                            |
| 2021-06-01 05:40:00 | Vibration N1 Phase Angle #1 Bearing    | 34   | 152  |                                            |
| 2021-06-01 05:40:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 79   |                                            |
| 2021-06-01 05:40:00 | Vibration N1 Turbine Frame             | 0.62 | 0.35 |                                            |
| 2021-06-01 05:40:00 | Vibration N2 #1 Bearing                | 0.07 | 0.11 |                                            |
| 2021-06-01 05:40:00 | Vibration N2 Turbine Frame             | 0.1  | 0.11 |                                            |
| 2021-05-31 10:01:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-05-31 10:01:00 | (1)                                    |      |      | 754                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-31 10:01:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-31 10:01:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-31 10:01:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-31 10:01:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-31 10:01:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-31 10:01:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-31 10:01:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-31 10:01:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-31 10:01:00 | Air Speed Indicated                    |      |      | 249.8                                      |
| 2021-05-31 10:01:00 | Aircraft Gross Weight                  |      |      | 60890                                      |
| 2021-05-31 10:01:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-31 10:01:00 | Altitude                               |      |      | 36104                                      |
| 2021-05-31 10:01:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-31 10:01:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-31 10:01:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-31 10:01:00 | Core Speed                             | 93   | 92.7 |                                            |
| 2021-05-31 10:01:00 | Date GE Received                       |      |      | 05/31/2021                                 |
| 2021-05-31 10:01:00 | Date of Report                         |      |      | 05/31/2021                                 |
| 2021-05-31 10:01:00 | Departure Station                      |      |      | ZBH                                        |
| 2021-05-31 10:01:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-31 10:01:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-31 10:01:00 | EGT Exhaust Gas Temperature            | 656  | 665  |                                            |
| 2021-05-31 10:01:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-31 10:01:00 | Flight Counter                         |      |      | 3641                                       |
| 2021-05-31 10:01:00 | Flight Number ACARS                    |      |      | 5754                                       |
| 2021-05-31 10:01:00 | Flight Number ACMS                     |      |      | 5754                                       |
| 2021-05-31 10:01:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-31 10:01:00 | Fuel Flow                              | 1119 | 1116 |                                            |
| 2021-05-31 10:01:00 | Ground Speed                           |      |      | 426.9                                      |
| 2021-05-31 10:01:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-31 10:01:00 | Leg                                    |      |      | 1                                          |
| 2021-05-31 10:01:00 | Mach Number                            |      |      | 0.758                                      |
| 2021-05-31 10:01:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-31 10:01:00 | N1 Indicated Fan Speed                 | 87.9 | 87.9 |                                            |
| 2021-05-31 10:01:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-31 10:01:00 | Oil Temperature                        | 107  | 106  |                                            |
| 2021-05-31 10:01:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-31 10:01:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-31 10:01:00 | Temperature Static Air                 |      |      | -42.8                                      |
| 2021-05-31 10:01:00 | Throttle Lever Angle                   | 61.9 | 61.9 |                                            |
| 2021-05-31 10:01:00 | Time GE Received                       |      |      | 11:01:24                                   |
| 2021-05-31 10:01:00 | Time Of Report                         |      |      | 10:01:00                                   |
| 2021-05-31 10:01:00 | Total Air Temperature Aircraft         |      |      | -16.3                                      |
| 2021-05-31 10:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-31 10:01:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-31 10:01:00 | Vibration N1 #1 Bearing                | 0.59 | 0.07 |                                            |
| 2021-05-31 10:01:00 | Vibration N1 Phase Angle #1 Bearing    | 353  | 146  |                                            |
| 2021-05-31 10:01:00 | Vibration N1 Phase Angle Turbine Frame | 26   | 81   |                                            |
| 2021-05-31 10:01:00 | Vibration N1 Turbine Frame             | 0.91 | 0.32 |                                            |
| 2021-05-31 10:01:00 | Vibration N2 #1 Bearing                | 0.12 | 0.13 |                                            |
| 2021-05-31 10:01:00 | Vibration N2 Turbine Frame             | 0.08 | 0.15 |                                            |
| 2021-05-30 13:07:00 | (1)                                    |      | 63.1 | 21                                         |
| 2021-05-30 13:07:00 | (1)                                    |      |      | 753                                        |
| 2021-05-30 13:07:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-30 13:07:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-30 13:07:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-30 13:07:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-30 13:07:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-30 13:07:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-30 13:07:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-30 13:07:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-30 13:07:00 | Air Speed Indicated                    |      |      | 282.8                                      |
| 2021-05-30 13:07:00 | Aircraft Gross Weight                  |      |      | 64464                                      |
| 2021-05-30 13:07:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-30 13:07:00 | Altitude                               |      |      | 31095                                      |
| 2021-05-30 13:07:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-30 13:07:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-30 13:07:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-30 13:07:00 | Core Speed                             | 95.1 | 95   |                                            |
| 2021-05-30 13:07:00 | Date GE Received                       |      |      | 05/30/2021                                 |
| 2021-05-30 13:07:00 | Date of Report                         |      |      | 05/30/2021                                 |
| 2021-05-30 13:07:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-30 13:07:00 | Destination Station                    |      |      | ZBH                                        |
| 2021-05-30 13:07:00 | Downlink Ground Station                |      |      | HET                                        |
| 2021-05-30 13:07:00 | EGT Exhaust Gas Temperature            | 672  | 675  |                                            |
| 2021-05-30 13:07:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-30 13:07:00 | Flight Counter                         |      |      | 2352                                       |
| 2021-05-30 13:07:00 | Flight Number ACARS                    |      |      | 5753                                       |
| 2021-05-30 13:07:00 | Flight Number ACMS                     |      |      | 5753                                       |
| 2021-05-30 13:07:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-30 13:07:00 | Fuel Flow                              | 1346 | 1329 |                                            |
| 2021-05-30 13:07:00 | Ground Speed                           |      |      | 479.6                                      |
| 2021-05-30 13:07:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-30 13:07:00 | Leg                                    |      |      | 1                                          |
| 2021-05-30 13:07:00 | Mach Number                            |      |      | 0.766                                      |
| 2021-05-30 13:07:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-30 13:07:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-05-30 13:07:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-05-30 13:07:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-05-30 13:07:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-30 13:07:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-30 13:07:00 | Temperature Static Air                 |      |      | -28.3                                      |
| 2021-05-30 13:07:00 | Throttle Lever Angle                   | 63.2 | 63.1 |                                            |
| 2021-05-30 13:07:00 | Time GE Received                       |      |      | 15:06:53                                   |
| 2021-05-30 13:07:00 | Time Of Report                         |      |      | 13:07:00                                   |
| 2021-05-30 13:07:00 | Total Air Temperature Aircraft         |      |      | 0.5                                        |
| 2021-05-30 13:07:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-30 13:07:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-30 13:07:00 | Vibration N1 #1 Bearing                | 0.4  | 0.25 |                                            |
| 2021-05-30 13:07:00 | Vibration N1 Phase Angle #1 Bearing    | 30   | 86   |                                            |
| 2021-05-30 13:07:00 | Vibration N1 Phase Angle Turbine Frame | 35   | 103  |                                            |
| 2021-05-30 13:07:00 | Vibration N1 Turbine Frame             | 0.73 | 0.42 |                                            |
| 2021-05-30 13:07:00 | Vibration N2 #1 Bearing                | 0.07 | 0.21 |                                            |
| 2021-05-30 13:07:00 | Vibration N2 Turbine Frame             | 0.09 | 0.07 |                                            |
| 2021-05-30 05:19:00 | (1)                                    |      | 63.2 | 21                                         |
| 2021-05-30 05:19:00 | (1)                                    |      |      | 702                                        |
| 2021-05-30 05:19:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-30 05:19:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-30 05:19:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-30 05:19:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-30 05:19:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-30 05:19:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-30 05:19:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-30 05:19:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-30 05:19:00 | Air Speed Indicated                    |      |      | 240.8                                      |
| 2021-05-30 05:19:00 | Aircraft Gross Weight                  |      |      | 64682                                      |
| 2021-05-30 05:19:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-30 05:19:00 | Altitude                               |      |      | 38102                                      |
| 2021-05-30 05:19:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-30 05:19:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-30 05:19:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-30 05:19:00 | Core Speed                             | 92.6 | 92.3 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-30 05:19:00 | Date GE Received                       |      |      | 05/30/2021                                 |
| 2021-05-30 05:19:00 | Date of Report                         |      |      | 05/30/2021                                 |
| 2021-05-30 05:19:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-05-30 05:19:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-30 05:19:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-30 05:19:00 | EGT Exhaust Gas Temperature            | 664  | 673  |                                            |
| 2021-05-30 05:19:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-30 05:19:00 | Flight Counter                         |      |      | 2005                                       |
| 2021-05-30 05:19:00 | Flight Number ACARS                    |      |      | 5702                                       |
| 2021-05-30 05:19:00 | Flight Number ACMS                     |      |      | 5702                                       |
| 2021-05-30 05:19:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-30 05:19:00 | Fuel Flow                              | 1155 | 1146 |                                            |
| 2021-05-30 05:19:00 | Ground Speed                           |      |      | 386.8                                      |
| 2021-05-30 05:19:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-30 05:19:00 | Leg                                    |      |      | 1                                          |
| 2021-05-30 05:19:00 | Mach Number                            |      |      | 0.765                                      |
| 2021-05-30 05:19:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-30 05:19:00 | N1 Indicated Fan Speed                 | 89.8 | 89.8 |                                            |
| 2021-05-30 05:19:00 | Oil Pressure                           | 43   | 45   |                                            |
| 2021-05-30 05:19:00 | Oil Temperature                        | 105  | 103  |                                            |
| 2021-05-30 05:19:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-30 05:19:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-30 05:19:00 | Temperature Static Air                 |      |      | -52.5                                      |
| 2021-05-30 05:19:00 | Throttle Lever Angle                   | 63.3 | 63.2 |                                            |
| 2021-05-30 05:19:00 | Time GE Received                       |      |      | 07:24:14                                   |
| 2021-05-30 05:19:00 | Time Of Report                         |      |      | 05:19:00                                   |
| 2021-05-30 05:19:00 | Total Air Temperature Aircraft         |      |      | -26.7                                      |
| 2021-05-30 05:19:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-30 05:19:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-30 05:19:00 | Vibration N1 #1 Bearing                | 0.41 | 0.09 |                                            |
| 2021-05-30 05:19:00 | Vibration N1 Phase Angle #1 Bearing    | 30   | 87   |                                            |
| 2021-05-30 05:19:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 93   |                                            |
| 2021-05-30 05:19:00 | Vibration N1 Turbine Frame             | 0.54 | 0.31 |                                            |
| 2021-05-30 05:19:00 | Vibration N2 #1 Bearing                | 0.04 | 0.06 |                                            |
| 2021-05-30 05:19:00 | Vibration N2 Turbine Frame             | 0.04 | 0.08 |                                            |
| 2021-05-30 00:27:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-05-30 00:27:00 | (1)                                    |      |      | 701                                        |
| 2021-05-30 00:27:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-30 00:27:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-30 00:27:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-30 00:27:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-30 00:27:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-30 00:27:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-30 00:27:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-30 00:27:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-30 00:27:00 | Air Speed Indicated                    |      |      | 256.9                                      |
| 2021-05-30 00:27:00 | Aircraft Gross Weight                  |      |      | 67077                                      |
| 2021-05-30 00:27:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-30 00:27:00 | Altitude                               |      |      | 35092                                      |
| 2021-05-30 00:27:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-30 00:27:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-30 00:27:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-30 00:27:00 | Core Speed                             | 93.9 | 93.8 |                                            |
| 2021-05-30 00:27:00 | Date GE Received                       |      |      | 05/30/2021                                 |
| 2021-05-30 00:27:00 | Date of Report                         |      |      | 05/30/2021                                 |
| 2021-05-30 00:27:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-30 00:27:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-05-30 00:27:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-05-30 00:27:00 | EGT Exhaust Gas Temperature            | 669  | 683  |                                            |
| 2021-05-30 00:27:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-30 00:27:00 | Flight Counter                         |      |      | 1735                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-30 00:27:00 | Flight Number ACARS                    |      |      | 5701                                       |
| 2021-05-30 00:27:00 | Flight Number ACMS                     |      |      | 5701                                       |
| 2021-05-30 00:27:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-30 00:27:00 | Fuel Flow                              | 1198 | 1197 |                                            |
| 2021-05-30 00:27:00 | Ground Speed                           |      |      | 460.3                                      |
| 2021-05-30 00:27:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-30 00:27:00 | Leg                                    |      |      | 1                                          |
| 2021-05-30 00:27:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-05-30 00:27:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-30 00:27:00 | N1 Indicated Fan Speed                 | 88.9 | 89   |                                            |
| 2021-05-30 00:27:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-05-30 00:27:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-05-30 00:27:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-30 00:27:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-30 00:27:00 | Temperature Static Air                 |      |      | -39.2                                      |
| 2021-05-30 00:27:00 | Throttle Lever Angle                   | 62.7 | 62.7 |                                            |
| 2021-05-30 00:27:00 | Time GE Received                       |      |      | 02:29:31                                   |
| 2021-05-30 00:27:00 | Time Of Report                         |      |      | 00:27:00                                   |
| 2021-05-30 00:27:00 | Total Air Temperature Aircraft         |      |      | -12                                        |
| 2021-05-30 00:27:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-30 00:27:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-30 00:27:00 | Vibration N1 #1 Bearing                | 0.42 | 0.21 |                                            |
| 2021-05-30 00:27:00 | Vibration N1 Phase Angle #1 Bearing    | 13   | 107  |                                            |
| 2021-05-30 00:27:00 | Vibration N1 Phase Angle Turbine Frame | 41   | 78   |                                            |
| 2021-05-30 00:27:00 | Vibration N1 Turbine Frame             | 0.7  | 0.76 |                                            |
| 2021-05-30 00:27:00 | Vibration N2 #1 Bearing                | 0.14 | 0.16 |                                            |
| 2021-05-30 00:27:00 | Vibration N2 Turbine Frame             | 0.07 | 0.15 |                                            |
| 2021-05-29 07:41:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-05-29 07:41:00 | (1)                                    |      |      | 734                                        |
| 2021-05-29 07:41:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-29 07:41:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-29 07:41:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-29 07:41:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-29 07:41:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-29 07:41:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-29 07:41:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-29 07:41:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-29 07:41:00 | Air Speed Indicated                    |      |      | 262.1                                      |
| 2021-05-29 07:41:00 | Aircraft Gross Weight                  |      |      | 63775                                      |
| 2021-05-29 07:41:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-29 07:41:00 | Altitude                               |      |      | 34102                                      |
| 2021-05-29 07:41:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-29 07:41:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-29 07:41:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-29 07:41:00 | Core Speed                             | 93.9 | 93.7 |                                            |
| 2021-05-29 07:41:00 | Date GE Received                       |      |      | 05/29/2021                                 |
| 2021-05-29 07:41:00 | Date of Report                         |      |      | 05/29/2021                                 |
| 2021-05-29 07:41:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-29 07:41:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-29 07:41:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-29 07:41:00 | EGT Exhaust Gas Temperature            | 667  | 678  |                                            |
| 2021-05-29 07:41:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-29 07:41:00 | Flight Counter                         |      |      | 1393                                       |
| 2021-05-29 07:41:00 | Flight Number ACARS                    |      |      | 5734                                       |
| 2021-05-29 07:41:00 | Flight Number ACMS                     |      |      | 5734                                       |
| 2021-05-29 07:41:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-29 07:41:00 | Fuel Flow                              | 1220 | 1216 |                                            |
| 2021-05-29 07:41:00 | Ground Speed                           |      |      | 461.2                                      |
| 2021-05-29 07:41:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-29 07:41:00 | Leg                                    |      |      | 1                                          |
| 2021-05-29 07:41:00 | Mach Number                            |      |      | 0.76                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-29 07:41:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-29 07:41:00 | N1 Indicated Fan Speed                 | 88.6 | 88.5 |                                            |
| 2021-05-29 07:41:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-05-29 07:41:00 | Oil Temperature                        | 106  | 105  |                                            |
| 2021-05-29 07:41:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-29 07:41:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-29 07:41:00 | Temperature Static Air                 |      |      | -36.5                                      |
| 2021-05-29 07:41:00 | Throttle Lever Angle                   | 62.5 | 62.5 |                                            |
| 2021-05-29 07:41:00 | Time GE Received                       |      |      | 08:33:48                                   |
| 2021-05-29 07:41:00 | Time Of Report                         |      |      | 07:41:00                                   |
| 2021-05-29 07:41:00 | Total Air Temperature Aircraft         |      |      | -9.3                                       |
| 2021-05-29 07:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-29 07:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-29 07:41:00 | Vibration N1 #1 Bearing                | 0.25 | 0.15 |                                            |
| 2021-05-29 07:41:00 | Vibration N1 Phase Angle #1 Bearing    | 47   | 107  |                                            |
| 2021-05-29 07:41:00 | Vibration N1 Phase Angle Turbine Frame | 29   | 125  |                                            |
| 2021-05-29 07:41:00 | Vibration N1 Turbine Frame             | 0.67 | 0.35 |                                            |
| 2021-05-29 07:41:00 | Vibration N2 #1 Bearing                | 0.05 | 0.17 |                                            |
| 2021-05-29 07:41:00 | Vibration N2 Turbine Frame             | 0.06 | 0.15 |                                            |
| 2021-05-29 03:29:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-05-29 03:29:00 | (1)                                    |      |      | 733                                        |
| 2021-05-29 03:29:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-29 03:29:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-29 03:29:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-29 03:29:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-29 03:29:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-29 03:29:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-29 03:29:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-29 03:29:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-29 03:29:00 | Air Speed Indicated                    |      |      | 257.9                                      |
| 2021-05-29 03:29:00 | Aircraft Gross Weight                  |      |      | 64972                                      |
| 2021-05-29 03:29:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-29 03:29:00 | Altitude                               |      |      | 35100                                      |
| 2021-05-29 03:29:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-29 03:29:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-29 03:29:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-29 03:29:00 | Core Speed                             | 93.5 | 93.3 |                                            |
| 2021-05-29 03:29:00 | Date GE Received                       |      |      | 05/29/2021                                 |
| 2021-05-29 03:29:00 | Date of Report                         |      |      | 05/29/2021                                 |
| 2021-05-29 03:29:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-29 03:29:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-29 03:29:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-05-29 03:29:00 | EGT Exhaust Gas Temperature            | 659  | 670  |                                            |
| 2021-05-29 03:29:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-29 03:29:00 | Flight Counter                         |      |      | 1719                                       |
| 2021-05-29 03:29:00 | Flight Number ACARS                    |      |      | 5733                                       |
| 2021-05-29 03:29:00 | Flight Number ACMS                     |      |      | 5733                                       |
| 2021-05-29 03:29:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-29 03:29:00 | Fuel Flow                              | 1158 | 1166 |                                            |
| 2021-05-29 03:29:00 | Ground Speed                           |      |      | 455.9                                      |
| 2021-05-29 03:29:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-29 03:29:00 | Leg                                    |      |      | 1                                          |
| 2021-05-29 03:29:00 | Mach Number                            |      |      | 0.764                                      |
| 2021-05-29 03:29:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-29 03:29:00 | N1 Indicated Fan Speed                 | 88.1 | 88.2 |                                            |
| 2021-05-29 03:29:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-29 03:29:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-05-29 03:29:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-29 03:29:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-29 03:29:00 | Temperature Static Air                 |      |      | -40                                        |
| 2021-05-29 03:29:00 | Throttle Lever Angle                   | 62   | 62.1 |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-29 03:29:00 | Time GE Received                       |      |      | 04:20:02                                   |
| 2021-05-29 03:29:00 | Time Of Report                         |      |      | 03:29:00                                   |
| 2021-05-29 03:29:00 | Total Air Temperature Aircraft         |      |      | -12.7                                      |
| 2021-05-29 03:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-29 03:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-29 03:29:00 | Vibration N1 #1 Bearing                | 0.37 | 0.07 |                                            |
| 2021-05-29 03:29:00 | Vibration N1 Phase Angle #1 Bearing    | 24   | 151  |                                            |
| 2021-05-29 03:29:00 | Vibration N1 Phase Angle Turbine Frame | 39   | 83   |                                            |
| 2021-05-29 03:29:00 | Vibration N1 Turbine Frame             | 0.52 | 0.48 |                                            |
| 2021-05-29 03:29:00 | Vibration N2 #1 Bearing                | 0.08 | 0.11 |                                            |
| 2021-05-29 03:29:00 | Vibration N2 Turbine Frame             | 0.05 | 0.14 |                                            |
| 2021-05-28 15:43:00 | (1)                                    |      | 61.2 | 21                                         |
| 2021-05-28 15:43:00 | (1)                                    |      |      | 722                                        |
| 2021-05-28 15:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-28 15:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-28 15:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-28 15:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-28 15:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-28 15:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-28 15:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-28 15:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-28 15:43:00 | Air Speed Indicated                    |      |      | 300                                        |
| 2021-05-28 15:43:00 | Aircraft Gross Weight                  |      |      | 60980                                      |
| 2021-05-28 15:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-28 15:43:00 | Altitude                               |      |      | 25602                                      |
| 2021-05-28 15:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-28 15:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-28 15:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-28 15:43:00 | Core Speed                             | 94.7 | 94.6 |                                            |
| 2021-05-28 15:43:00 | Date GE Received                       |      |      | 05/28/2021                                 |
| 2021-05-28 15:43:00 | Date of Report                         |      |      | 05/28/2021                                 |
| 2021-05-28 15:43:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-05-28 15:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-28 15:43:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-28 15:43:00 | EGT Exhaust Gas Temperature            | 645  | 647  |                                            |
| 2021-05-28 15:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-28 15:43:00 | Flight Counter                         |      |      | 1121                                       |
| 2021-05-28 15:43:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-05-28 15:43:00 | Flight Number ACMS                     |      |      | 5722                                       |
| 2021-05-28 15:43:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-28 15:43:00 | Fuel Flow                              | 1393 | 1379 |                                            |
| 2021-05-28 15:43:00 | Ground Speed                           |      |      | 412.6                                      |
| 2021-05-28 15:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-28 15:43:00 | Leg                                    |      |      | 1                                          |
| 2021-05-28 15:43:00 | Mach Number                            |      |      | 0.725                                      |
| 2021-05-28 15:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-28 15:43:00 | N1 Indicated Fan Speed                 | 84.9 | 84.8 |                                            |
| 2021-05-28 15:43:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-05-28 15:43:00 | Oil Temperature                        | 110  | 110  |                                            |
| 2021-05-28 15:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-28 15:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-28 15:43:00 | Temperature Static Air                 |      |      | -17.7                                      |
| 2021-05-28 15:43:00 | Throttle Lever Angle                   | 61.2 | 61.2 |                                            |
| 2021-05-28 15:43:00 | Time GE Received                       |      |      | 17:00:10                                   |
| 2021-05-28 15:43:00 | Time Of Report                         |      |      | 15:43:00                                   |
| 2021-05-28 15:43:00 | Total Air Temperature Aircraft         |      |      | 9.3                                        |
| 2021-05-28 15:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 15:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 15:43:00 | Vibration N1 #1 Bearing                | 0.27 | 0.21 |                                            |
| 2021-05-28 15:43:00 | Vibration N1 Phase Angle #1 Bearing    | 13   | 89   |                                            |
| 2021-05-28 15:43:00 | Vibration N1 Phase Angle Turbine Frame | 35   | 102  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-28 15:43:00 | Vibration N1 Turbine Frame             | 0.5  | 0.37 |                                            |
| 2021-05-28 15:43:00 | Vibration N2 #1 Bearing                | 0.06 | 0.17 |                                            |
| 2021-05-28 15:43:00 | Vibration N2 Turbine Frame             | 0.1  | 0.07 |                                            |
| 2021-05-28 11:46:00 | (1)                                    |      | 58.6 | 21                                         |
| 2021-05-28 11:46:00 | (1)                                    |      |      | 721                                        |
| 2021-05-28 11:46:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-28 11:46:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-28 11:46:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-28 11:46:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-28 11:46:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-28 11:46:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-28 11:46:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-28 11:46:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-28 11:46:00 | Air Speed Indicated                    |      |      | 278.9                                      |
| 2021-05-28 11:46:00 | Aircraft Gross Weight                  |      |      | 62468                                      |
| 2021-05-28 11:46:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-28 11:46:00 | Altitude                               |      |      | 22594                                      |
| 2021-05-28 11:46:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-28 11:46:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-28 11:46:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-28 11:46:00 | Core Speed                             | 93   | 92.9 |                                            |
| 2021-05-28 11:46:00 | Date GE Received                       |      |      | 05/28/2021                                 |
| 2021-05-28 11:46:00 | Date of Report                         |      |      | 05/28/2021                                 |
| 2021-05-28 11:46:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-28 11:46:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-05-28 11:46:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-05-28 11:46:00 | EGT Exhaust Gas Temperature            | 617  | 618  |                                            |
| 2021-05-28 11:46:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-28 11:46:00 | Flight Counter                         |      |      | 1671                                       |
| 2021-05-28 11:46:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-05-28 11:46:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-05-28 11:46:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-28 11:46:00 | Fuel Flow                              | 1276 | 1265 |                                            |
| 2021-05-28 11:46:00 | Ground Speed                           |      |      | 416.8                                      |
| 2021-05-28 11:46:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-28 11:46:00 | Leg                                    |      |      | 1                                          |
| 2021-05-28 11:46:00 | Mach Number                            |      |      | 0.639                                      |
| 2021-05-28 11:46:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-28 11:46:00 | N1 Indicated Fan Speed                 | 80.6 | 80.6 |                                            |
| 2021-05-28 11:46:00 | Oil Pressure                           | 47   | 50   |                                            |
| 2021-05-28 11:46:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-05-28 11:46:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-28 11:46:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-28 11:46:00 | Temperature Static Air                 |      |      | -10.2                                      |
| 2021-05-28 11:46:00 | Throttle Lever Angle                   | 58.6 | 58.6 |                                            |
| 2021-05-28 11:46:00 | Time GE Received                       |      |      | 12:53:09                                   |
| 2021-05-28 11:46:00 | Time Of Report                         |      |      | 11:46:00                                   |
| 2021-05-28 11:46:00 | Total Air Temperature Aircraft         |      |      | 11.3                                       |
| 2021-05-28 11:46:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 11:46:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 11:46:00 | Vibration N1 #1 Bearing                | 0.28 | 0.14 |                                            |
| 2021-05-28 11:46:00 | Vibration N1 Phase Angle #1 Bearing    | 8    | 100  |                                            |
| 2021-05-28 11:46:00 | Vibration N1 Phase Angle Turbine Frame | 355  | 94   |                                            |
| 2021-05-28 11:46:00 | Vibration N1 Turbine Frame             | 0.6  | 0.24 |                                            |
| 2021-05-28 11:46:00 | Vibration N2 #1 Bearing                | 0.06 | 0.08 |                                            |
| 2021-05-28 11:46:00 | Vibration N2 Turbine Frame             | 0.07 | 0.13 |                                            |
| 2021-05-28 07:49:00 | (1)                                    |      | 63.3 | 21                                         |
| 2021-05-28 07:49:00 | (1)                                    |      |      | 806                                        |
| 2021-05-28 07:49:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-05-28 07:49:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-28 07:49:00 | Air Conditioning Pack 1                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-28 07:49:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-28 07:49:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-28 07:49:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-28 07:49:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-28 07:49:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-28 07:49:00 | Air Speed Indicated                    |      |      | 285.2                                      |
| 2021-05-28 07:49:00 | Aircraft Gross Weight                  |      |      | 64337                                      |
| 2021-05-28 07:49:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-28 07:49:00 | Altitude                               |      |      | 30111                                      |
| 2021-05-28 07:49:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-28 07:49:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-28 07:49:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-28 07:49:00 | Core Speed                             | 95.1 | 95   |                                            |
| 2021-05-28 07:49:00 | Date GE Received                       |      |      | 05/28/2021                                 |
| 2021-05-28 07:49:00 | Date of Report                         |      |      | 05/28/2021                                 |
| 2021-05-28 07:49:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-05-28 07:49:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-28 07:49:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-28 07:49:00 | EGT Exhaust Gas Temperature            | 677  | 676  |                                            |
| 2021-05-28 07:49:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-28 07:49:00 | Flight Counter                         |      |      | 2204                                       |
| 2021-05-28 07:49:00 | Flight Number ACARS                    |      |      | 5806                                       |
| 2021-05-28 07:49:00 | Flight Number ACMS                     |      |      | 5806                                       |
| 2021-05-28 07:49:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-28 07:49:00 | Fuel Flow                              | 1366 | 1343 |                                            |
| 2021-05-28 07:49:00 | Ground Speed                           |      |      | 406.4                                      |
| 2021-05-28 07:49:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-28 07:49:00 | Leg                                    |      |      | 1                                          |
| 2021-05-28 07:49:00 | Mach Number                            |      |      | 0.756                                      |
| 2021-05-28 07:49:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-28 07:49:00 | N1 Indicated Fan Speed                 | 87.8 | 87.8 |                                            |
| 2021-05-28 07:49:00 | Oil Pressure                           | 46   | 49   |                                            |
| 2021-05-28 07:49:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-05-28 07:49:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-28 07:49:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-28 07:49:00 | Temperature Static Air                 |      |      | -27                                        |
| 2021-05-28 07:49:00 | Throttle Lever Angle                   | 63.3 | 63.3 |                                            |
| 2021-05-28 07:49:00 | Time GE Received                       |      |      | 09:56:52                                   |
| 2021-05-28 07:49:00 | Time Of Report                         |      |      | 07:49:00                                   |
| 2021-05-28 07:49:00 | Total Air Temperature Aircraft         |      |      | 1                                          |
| 2021-05-28 07:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 07:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 07:49:00 | Vibration N1 #1 Bearing                | 0.49 | 0.25 |                                            |
| 2021-05-28 07:49:00 | Vibration N1 Phase Angle #1 Bearing    | 29   | 99   |                                            |
| 2021-05-28 07:49:00 | Vibration N1 Phase Angle Turbine Frame | 43   | 122  |                                            |
| 2021-05-28 07:49:00 | Vibration N1 Turbine Frame             | 0.57 | 0.46 |                                            |
| 2021-05-28 07:49:00 | Vibration N2 #1 Bearing                | 0.1  | 0.16 |                                            |
| 2021-05-28 07:49:00 | Vibration N2 Turbine Frame             | 0.08 | 0.04 |                                            |
| 2021-05-28 03:44:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-05-28 03:44:00 | (1)                                    |      |      | 805                                        |
| 2021-05-28 03:44:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-28 03:44:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-28 03:44:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-28 03:44:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-28 03:44:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-28 03:44:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-28 03:44:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-28 03:44:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-28 03:44:00 | Air Speed Indicated                    |      |      | 277.6                                      |
| 2021-05-28 03:44:00 | Aircraft Gross Weight                  |      |      | 62523                                      |
| 2021-05-28 03:44:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-28 03:44:00 | Altitude                               |      |      | 31095                                      |
| 2021-05-28 03:44:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-28 03:44:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-28 03:44:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-28 03:44:00 | Core Speed                             | 94   | 93.8 |                                            |
| 2021-05-28 03:44:00 | Date GE Received                       |      |      | 05/28/2021                                 |
| 2021-05-28 03:44:00 | Date of Report                         |      |      | 05/28/2021                                 |
| 2021-05-28 03:44:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-28 03:44:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-05-28 03:44:00 | Downlink Ground Station                |      |      | YTY                                        |
| 2021-05-28 03:44:00 | EGT Exhaust Gas Temperature            | 652  | 658  |                                            |
| 2021-05-28 03:44:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-28 03:44:00 | Flight Counter                         |      |      | 2633                                       |
| 2021-05-28 03:44:00 | Flight Number ACARS                    |      |      | 5805                                       |
| 2021-05-28 03:44:00 | Flight Number ACMS                     |      |      | 5805                                       |
| 2021-05-28 03:44:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-28 03:44:00 | Fuel Flow                              | 1246 | 1238 |                                            |
| 2021-05-28 03:44:00 | Ground Speed                           |      |      | 471.3                                      |
| 2021-05-28 03:44:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-28 03:44:00 | Leg                                    |      |      | 1                                          |
| 2021-05-28 03:44:00 | Mach Number                            |      |      | 0.753                                      |
| 2021-05-28 03:44:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-28 03:44:00 | N1 Indicated Fan Speed                 | 86.6 | 86.6 |                                            |
| 2021-05-28 03:44:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-05-28 03:44:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-05-28 03:44:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-28 03:44:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-28 03:44:00 | Temperature Static Air                 |      |      | -30                                        |
| 2021-05-28 03:44:00 | Throttle Lever Angle                   | 61.5 | 61.5 |                                            |
| 2021-05-28 03:44:00 | Time GE Received                       |      |      | 05:39:07                                   |
| 2021-05-28 03:44:00 | Time Of Report                         |      |      | 03:44:00                                   |
| 2021-05-28 03:44:00 | Total Air Temperature Aircraft         |      |      | -2.5                                       |
| 2021-05-28 03:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 03:44:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-28 03:44:00 | Vibration N1 #1 Bearing                | 0.22 | 0.12 |                                            |
| 2021-05-28 03:44:00 | Vibration N1 Phase Angle #1 Bearing    | 22   | 151  |                                            |
| 2021-05-28 03:44:00 | Vibration N1 Phase Angle Turbine Frame | 25   | 84   |                                            |
| 2021-05-28 03:44:00 | Vibration N1 Turbine Frame             | 0.71 | 0.29 |                                            |
| 2021-05-28 03:44:00 | Vibration N2 #1 Bearing                | 0.06 | 0.08 |                                            |
| 2021-05-28 03:44:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-05-27 14:58:00 | (1)                                    |      | 61.3 | 21                                         |
| 2021-05-27 14:58:00 | (1)                                    |      |      | 722                                        |
| 2021-05-27 14:58:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-27 14:58:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-27 14:58:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-27 14:58:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-27 14:58:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-27 14:58:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-27 14:58:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-27 14:58:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-27 14:58:00 | Air Speed Indicated                    |      |      | 296.6                                      |
| 2021-05-27 14:58:00 | Aircraft Gross Weight                  |      |      | 59402                                      |
| 2021-05-27 14:58:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-27 14:58:00 | Altitude                               |      |      | 25604                                      |
| 2021-05-27 14:58:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-27 14:58:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-27 14:58:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-27 14:58:00 | Core Speed                             | 94.8 | 94.7 |                                            |
| 2021-05-27 14:58:00 | Date GE Received                       |      |      | 05/27/2021                                 |
| 2021-05-27 14:58:00 | Date of Report                         |      |      | 05/27/2021                                 |
| 2021-05-27 14:58:00 | Departure Station                      |      |      | ZGH                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-27 14:58:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-27 14:58:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-27 14:58:00 | EGT Exhaust Gas Temperature            | 649  | 654  |                                            |
| 2021-05-27 14:58:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-27 14:58:00 | Flight Counter                         |      |      | 698                                        |
| 2021-05-27 14:58:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-05-27 14:58:00 | Flight Number ACMS                     |      |      | 5722                                       |
| 2021-05-27 14:58:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-27 14:58:00 | Fuel Flow                              | 1368 | 1353 |                                            |
| 2021-05-27 14:58:00 | Ground Speed                           |      |      | 410                                        |
| 2021-05-27 14:58:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-27 14:58:00 | Leg                                    |      |      | 1                                          |
| 2021-05-27 14:58:00 | Mach Number                            |      |      | 0.718                                      |
| 2021-05-27 14:58:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-27 14:58:00 | N1 Indicated Fan Speed                 | 84.8 | 84.8 |                                            |
| 2021-05-27 14:58:00 | Oil Pressure                           | 47   | 50   |                                            |
| 2021-05-27 14:58:00 | Oil Temperature                        | 109  | 109  |                                            |
| 2021-05-27 14:58:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-27 14:58:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-27 14:58:00 | Temperature Static Air                 |      |      | -15.2                                      |
| 2021-05-27 14:58:00 | Throttle Lever Angle                   | 61.3 | 61.3 |                                            |
| 2021-05-27 14:58:00 | Time GE Received                       |      |      | 16:06:43                                   |
| 2021-05-27 14:58:00 | Time Of Report                         |      |      | 14:58:00                                   |
| 2021-05-27 14:58:00 | Total Air Temperature Aircraft         |      |      | 11.3                                       |
| 2021-05-27 14:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 14:58:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 14:58:00 | Vibration N1 #1 Bearing                | 0.26 | 0.17 |                                            |
| 2021-05-27 14:58:00 | Vibration N1 Phase Angle #1 Bearing    | 17   | 88   |                                            |
| 2021-05-27 14:58:00 | Vibration N1 Phase Angle Turbine Frame | 38   | 96   |                                            |
| 2021-05-27 14:58:00 | Vibration N1 Turbine Frame             | 0.47 | 0.35 |                                            |
| 2021-05-27 14:58:00 | Vibration N2 #1 Bearing                | 0.09 | 0.2  |                                            |
| 2021-05-27 14:58:00 | Vibration N2 Turbine Frame             | 0.11 | 0.06 |                                            |
| 2021-05-27 12:05:00 | (1)                                    |      | 58.1 | 21                                         |
| 2021-05-27 12:05:00 | (1)                                    |      |      | 721                                        |
| 2021-05-27 12:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-27 12:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-27 12:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-27 12:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-27 12:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-27 12:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-27 12:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-27 12:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-27 12:05:00 | Air Speed Indicated                    |      |      | 264.6                                      |
| 2021-05-27 12:05:00 | Aircraft Gross Weight                  |      |      | 62468                                      |
| 2021-05-27 12:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-27 12:05:00 | Altitude                               |      |      | 24598                                      |
| 2021-05-27 12:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-27 12:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-27 12:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-27 12:05:00 | Core Speed                             | 92.8 | 92.6 |                                            |
| 2021-05-27 12:05:00 | Date GE Received                       |      |      | 05/27/2021                                 |
| 2021-05-27 12:05:00 | Date of Report                         |      |      | 05/27/2021                                 |
| 2021-05-27 12:05:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-27 12:05:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-05-27 12:05:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-05-27 12:05:00 | EGT Exhaust Gas Temperature            | 612  | 625  |                                            |
| 2021-05-27 12:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-27 12:05:00 | Flight Counter                         |      |      | 2203                                       |
| 2021-05-27 12:05:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-05-27 12:05:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-05-27 12:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-27 12:05:00 | Fuel Flow                              | 1176 | 1184 |                                            |
| 2021-05-27 12:05:00 | Ground Speed                           |      |      | 406.5                                      |
| 2021-05-27 12:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-27 12:05:00 | Leg                                    |      |      | 1                                          |
| 2021-05-27 12:05:00 | Mach Number                            |      |      | 0.632                                      |
| 2021-05-27 12:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-27 12:05:00 | N1 Indicated Fan Speed                 | 80.3 | 80.3 |                                            |
| 2021-05-27 12:05:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-05-27 12:05:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-05-27 12:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-27 12:05:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-27 12:05:00 | Temperature Static Air                 |      |      | -14                                        |
| 2021-05-27 12:05:00 | Throttle Lever Angle                   | 58.1 | 58.1 |                                            |
| 2021-05-27 12:05:00 | Time GE Received                       |      |      | 13:09:42                                   |
| 2021-05-27 12:05:00 | Time Of Report                         |      |      | 12:05:00                                   |
| 2021-05-27 12:05:00 | Total Air Temperature Aircraft         |      |      | 6.8                                        |
| 2021-05-27 12:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 12:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 12:05:00 | Vibration N1 #1 Bearing                | 0.24 | 0.13 |                                            |
| 2021-05-27 12:05:00 | Vibration N1 Phase Angle #1 Bearing    | 347  | 104  |                                            |
| 2021-05-27 12:05:00 | Vibration N1 Phase Angle Turbine Frame | 342  | 104  |                                            |
| 2021-05-27 12:05:00 | Vibration N1 Turbine Frame             | 0.42 | 0.24 |                                            |
| 2021-05-27 12:05:00 | Vibration N2 #1 Bearing                | 0.02 | 0.05 |                                            |
| 2021-05-27 12:05:00 | Vibration N2 Turbine Frame             | 0.02 | 0.07 |                                            |
| 2021-05-27 07:05:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-05-27 07:05:00 | (1)                                    |      |      | 734                                        |
| 2021-05-27 07:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-27 07:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-27 07:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-27 07:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-27 07:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-27 07:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-27 07:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-27 07:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-27 07:05:00 | Air Speed Indicated                    |      |      | 282.8                                      |
| 2021-05-27 07:05:00 | Aircraft Gross Weight                  |      |      | 65952                                      |
| 2021-05-27 07:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-27 07:05:00 | Altitude                               |      |      | 30110                                      |
| 2021-05-27 07:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-27 07:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-27 07:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-27 07:05:00 | Core Speed                             | 94.9 | 94.8 |                                            |
| 2021-05-27 07:05:00 | Date GE Received                       |      |      | 05/27/2021                                 |
| 2021-05-27 07:05:00 | Date of Report                         |      |      | 05/27/2021                                 |
| 2021-05-27 07:05:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-27 07:05:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-27 07:05:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-27 07:05:00 | EGT Exhaust Gas Temperature            | 666  | 668  |                                            |
| 2021-05-27 07:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-27 07:05:00 | Flight Counter                         |      |      | 1800                                       |
| 2021-05-27 07:05:00 | Flight Number ACARS                    |      |      | 5734                                       |
| 2021-05-27 07:05:00 | Flight Number ACMS                     |      |      | 5734                                       |
| 2021-05-27 07:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-27 07:05:00 | Fuel Flow                              | 1343 | 1333 |                                            |
| 2021-05-27 07:05:00 | Ground Speed                           |      |      | 462.6                                      |
| 2021-05-27 07:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-27 07:05:00 | Leg                                    |      |      | 1                                          |
| 2021-05-27 07:05:00 | Mach Number                            |      |      | 0.75                                       |
| 2021-05-27 07:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-27 07:05:00 | N1 Indicated Fan Speed                 | 87.7 | 87.8 |                                            |
| 2021-05-27 07:05:00 | Oil Pressure                           | 45   | 47   |                                            |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-27 07:05:00 | Oil Temperature                        | 115  | 115  |                                            |
| 2021-05-27 07:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-27 07:05:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-27 07:05:00 | Temperature Static Air                 |      |      | -27.3                                      |
| 2021-05-27 07:05:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-05-27 07:05:00 | Time GE Received                       |      |      | 08:15:01                                   |
| 2021-05-27 07:05:00 | Time Of Report                         |      |      | 07:05:00                                   |
| 2021-05-27 07:05:00 | Total Air Temperature Aircraft         |      |      | 0.5                                        |
| 2021-05-27 07:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 07:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 07:05:00 | Vibration N1 #1 Bearing                | 0.5  | 0.25 |                                            |
| 2021-05-27 07:05:00 | Vibration N1 Phase Angle #1 Bearing    | 29   | 99   |                                            |
| 2021-05-27 07:05:00 | Vibration N1 Phase Angle Turbine Frame | 47   | 114  |                                            |
| 2021-05-27 07:05:00 | Vibration N1 Turbine Frame             | 0.59 | 0.45 |                                            |
| 2021-05-27 07:05:00 | Vibration N2 #1 Bearing                | 0.11 | 0.13 |                                            |
| 2021-05-27 07:05:00 | Vibration N2 Turbine Frame             | 0.09 | 0.03 |                                            |
| 2021-05-27 03:24:00 | (1)                                    |      | 59.9 | 21                                         |
| 2021-05-27 03:24:00 | (1)                                    |      |      | 733                                        |
| 2021-05-27 03:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-27 03:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-27 03:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-27 03:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-27 03:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-27 03:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-27 03:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-27 03:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-27 03:24:00 | Air Speed Indicated                    |      |      | 261.2                                      |
| 2021-05-27 03:24:00 | Aircraft Gross Weight                  |      |      | 65135                                      |
| 2021-05-27 03:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-27 03:24:00 | Altitude                               |      |      | 29105                                      |
| 2021-05-27 03:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-27 03:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-27 03:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-27 03:24:00 | Core Speed                             | 93.3 | 93   |                                            |
| 2021-05-27 03:24:00 | Date GE Received                       |      |      | 05/27/2021                                 |
| 2021-05-27 03:24:00 | Date of Report                         |      |      | 05/27/2021                                 |
| 2021-05-27 03:24:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-27 03:24:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-27 03:24:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-05-27 03:24:00 | EGT Exhaust Gas Temperature            | 636  | 650  |                                            |
| 2021-05-27 03:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-27 03:24:00 | Flight Counter                         |      |      | 1628                                       |
| 2021-05-27 03:24:00 | Flight Number ACARS                    |      |      | 5733                                       |
| 2021-05-27 03:24:00 | Flight Number ACMS                     |      |      | 5733                                       |
| 2021-05-27 03:24:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-27 03:24:00 | Fuel Flow                              | 1187 | 1187 |                                            |
| 2021-05-27 03:24:00 | Ground Speed                           |      |      | 415.5                                      |
| 2021-05-27 03:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-27 03:24:00 | Leg                                    |      |      | 1                                          |
| 2021-05-27 03:24:00 | Mach Number                            |      |      | 0.683                                      |
| 2021-05-27 03:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-27 03:24:00 | N1 Indicated Fan Speed                 | 84.2 | 84.2 |                                            |
| 2021-05-27 03:24:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-05-27 03:24:00 | Oil Temperature                        | 108  | 107  |                                            |
| 2021-05-27 03:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-27 03:24:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-27 03:24:00 | Temperature Static Air                 |      |      | -24.5                                      |
| 2021-05-27 03:24:00 | Throttle Lever Angle                   | 60   | 59.9 |                                            |
| 2021-05-27 03:24:00 | Time GE Received                       |      |      | 04:25:15                                   |
| 2021-05-27 03:24:00 | Time Of Report                         |      |      | 03:24:00                                   |
| 2021-05-27 03:24:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-27 03:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 03:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-27 03:24:00 | Vibration N1 #1 Bearing                | 0.21 | 0.18 |                                            |
| 2021-05-27 03:24:00 | Vibration N1 Phase Angle #1 Bearing    | 356  | 128  |                                            |
| 2021-05-27 03:24:00 | Vibration N1 Phase Angle Turbine Frame | 20   | 72   |                                            |
| 2021-05-27 03:24:00 | Vibration N1 Turbine Frame             | 0.43 | 0.31 |                                            |
| 2021-05-27 03:24:00 | Vibration N2 #1 Bearing                | 0.04 | 0.07 |                                            |
| 2021-05-27 03:24:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-05-26 12:11:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-05-26 12:11:00 | (1)                                    |      |      | 736                                        |
| 2021-05-26 12:11:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-26 12:11:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-26 12:11:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-26 12:11:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-26 12:11:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-26 12:11:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-26 12:11:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-26 12:11:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-26 12:11:00 | Air Speed Indicated                    |      |      | 278.1                                      |
| 2021-05-26 12:11:00 | Aircraft Gross Weight                  |      |      | 66206                                      |
| 2021-05-26 12:11:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-26 12:11:00 | Altitude                               |      |      | 32102                                      |
| 2021-05-26 12:11:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-26 12:11:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-26 12:11:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-26 12:11:00 | Core Speed                             | 94.9 | 94.8 |                                            |
| 2021-05-26 12:11:00 | Date GE Received                       |      |      | 05/26/2021                                 |
| 2021-05-26 12:11:00 | Date of Report                         |      |      | 05/26/2021                                 |
| 2021-05-26 12:11:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-26 12:11:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-26 12:11:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-26 12:11:00 | EGT Exhaust Gas Temperature            | 672  | 672  |                                            |
| 2021-05-26 12:11:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-26 12:11:00 | Flight Counter                         |      |      | 703                                        |
| 2021-05-26 12:11:00 | Flight Number ACARS                    |      |      | 5736                                       |
| 2021-05-26 12:11:00 | Flight Number ACMS                     |      |      | 5736                                       |
| 2021-05-26 12:11:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-26 12:11:00 | Fuel Flow                              | 1304 | 1294 |                                            |
| 2021-05-26 12:11:00 | Ground Speed                           |      |      | 470.4                                      |
| 2021-05-26 12:11:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-26 12:11:00 | Leg                                    |      |      | 1                                          |
| 2021-05-26 12:11:00 | Mach Number                            |      |      | 0.77                                       |
| 2021-05-26 12:11:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-26 12:11:00 | N1 Indicated Fan Speed                 | 88.6 | 88.6 |                                            |
| 2021-05-26 12:11:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-05-26 12:11:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-05-26 12:11:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-26 12:11:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-26 12:11:00 | Temperature Static Air                 |      |      | -31.3                                      |
| 2021-05-26 12:11:00 | Throttle Lever Angle                   | 62.8 | 62.8 |                                            |
| 2021-05-26 12:11:00 | Time GE Received                       |      |      | 13:29:28                                   |
| 2021-05-26 12:11:00 | Time Of Report                         |      |      | 12:11:00                                   |
| 2021-05-26 12:11:00 | Total Air Temperature Aircraft         |      |      | -2.5                                       |
| 2021-05-26 12:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-26 12:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-26 12:11:00 | Vibration N1 #1 Bearing                | 0.51 | 0.25 |                                            |
| 2021-05-26 12:11:00 | Vibration N1 Phase Angle #1 Bearing    | 42   | 100  |                                            |
| 2021-05-26 12:11:00 | Vibration N1 Phase Angle Turbine Frame | 51   | 120  |                                            |
| 2021-05-26 12:11:00 | Vibration N1 Turbine Frame             | 0.61 | 0.44 |                                            |
| 2021-05-26 12:11:00 | Vibration N2 #1 Bearing                | 0.1  | 0.13 |                                            |
| 2021-05-26 12:11:00 | Vibration N2 Turbine Frame             | 0.09 | 0.05 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-26 09:15:00 | (1)                                    |      | 63.2 | 21                                         |
| 2021-05-26 09:15:00 | (1)                                    |      |      | 735                                        |
| 2021-05-26 09:15:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-26 09:15:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-26 09:15:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-26 09:15:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-26 09:15:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-26 09:15:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-26 09:15:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-26 09:15:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-26 09:15:00 | Air Speed Indicated                    |      |      | 260.5                                      |
| 2021-05-26 09:15:00 | Aircraft Gross Weight                  |      |      | 66823                                      |
| 2021-05-26 09:15:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-26 09:15:00 | Altitude                               |      |      | 35100                                      |
| 2021-05-26 09:15:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-26 09:15:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-26 09:15:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-26 09:15:00 | Core Speed                             | 94.3 | 94   |                                            |
| 2021-05-26 09:15:00 | Date GE Received                       |      |      | 05/26/2021                                 |
| 2021-05-26 09:15:00 | Date of Report                         |      |      | 05/26/2021                                 |
| 2021-05-26 09:15:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-26 09:15:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-26 09:15:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-05-26 09:15:00 | EGT Exhaust Gas Temperature            | 677  | 685  |                                            |
| 2021-05-26 09:15:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-26 09:15:00 | Flight Counter                         |      |      | 2151                                       |
| 2021-05-26 09:15:00 | Flight Number ACARS                    |      |      | 5735                                       |
| 2021-05-26 09:15:00 | Flight Number ACMS                     |      |      | 5735                                       |
| 2021-05-26 09:15:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-26 09:15:00 | Fuel Flow                              | 1250 | 1242 |                                            |
| 2021-05-26 09:15:00 | Ground Speed                           |      |      | 471.1                                      |
| 2021-05-26 09:15:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-26 09:15:00 | Leg                                    |      |      | 1                                          |
| 2021-05-26 09:15:00 | Mach Number                            |      |      | 0.771                                      |
| 2021-05-26 09:15:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-26 09:15:00 | N1 Indicated Fan Speed                 | 89.9 | 89.8 |                                            |
| 2021-05-26 09:15:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-26 09:15:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-05-26 09:15:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-26 09:15:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-26 09:15:00 | Temperature Static Air                 |      |      | -40                                        |
| 2021-05-26 09:15:00 | Throttle Lever Angle                   | 63.2 | 63.2 |                                            |
| 2021-05-26 09:15:00 | Time GE Received                       |      |      | 10:00:01                                   |
| 2021-05-26 09:15:00 | Time Of Report                         |      |      | 09:15:00                                   |
| 2021-05-26 09:15:00 | Total Air Temperature Aircraft         |      |      | -12.3                                      |
| 2021-05-26 09:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-26 09:15:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-26 09:15:00 | Vibration N1 #1 Bearing                | 0.38 | 0.14 |                                            |
| 2021-05-26 09:15:00 | Vibration N1 Phase Angle #1 Bearing    | 63   | 87   |                                            |
| 2021-05-26 09:15:00 | Vibration N1 Phase Angle Turbine Frame | 45   | 111  |                                            |
| 2021-05-26 09:15:00 | Vibration N1 Turbine Frame             | 0.77 | 0.43 |                                            |
| 2021-05-26 09:15:00 | Vibration N2 #1 Bearing                | 0.03 | 0.09 |                                            |
| 2021-05-26 09:15:00 | Vibration N2 Turbine Frame             | 0.03 | 0.06 |                                            |
| 2021-05-26 00:43:00 | (1)                                    |      | 62.5 | 21                                         |
| 2021-05-26 00:43:00 | (1)                                    |      |      | 814                                        |
| 2021-05-26 00:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-26 00:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-26 00:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-26 00:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-26 00:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-26 00:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-26 00:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-26 00:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-26 00:43:00 | Air Speed Indicated                    |      |      | 288.9                                      |
| 2021-05-26 00:43:00 | Aircraft Gross Weight                  |      |      | 64228                                      |
| 2021-05-26 00:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-26 00:43:00 | Altitude                               |      |      | 30102                                      |
| 2021-05-26 00:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-26 00:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-26 00:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-26 00:43:00 | Core Speed                             | 94.7 | 94.7 |                                            |
| 2021-05-26 00:43:00 | Date GE Received                       |      |      | 05/26/2021                                 |
| 2021-05-26 00:43:00 | Date of Report                         |      |      | 05/26/2021                                 |
| 2021-05-26 00:43:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-05-26 00:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-26 00:43:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-26 00:43:00 | EGT Exhaust Gas Temperature            | 666  | 666  |                                            |
| 2021-05-26 00:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-26 00:43:00 | Flight Counter                         |      |      | 2427                                       |
| 2021-05-26 00:43:00 | Flight Number ACARS                    |      |      | 5814                                       |
| 2021-05-26 00:43:00 | Flight Number ACMS                     |      |      | 5814                                       |
| 2021-05-26 00:43:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-26 00:43:00 | Fuel Flow                              | 1363 | 1354 |                                            |
| 2021-05-26 00:43:00 | Ground Speed                           |      |      | 433.8                                      |
| 2021-05-26 00:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-26 00:43:00 | Leg                                    |      |      | 1                                          |
| 2021-05-26 00:43:00 | Mach Number                            |      |      | 0.766                                      |
| 2021-05-26 00:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-26 00:43:00 | N1 Indicated Fan Speed                 | 87.8 | 87.8 |                                            |
| 2021-05-26 00:43:00 | Oil Pressure                           | 46   | 49   |                                            |
| 2021-05-26 00:43:00 | Oil Temperature                        | 108  | 108  |                                            |
| 2021-05-26 00:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-26 00:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-26 00:43:00 | Temperature Static Air                 |      |      | -29                                        |
| 2021-05-26 00:43:00 | Throttle Lever Angle                   | 62.5 | 62.5 |                                            |
| 2021-05-26 00:43:00 | Time GE Received                       |      |      | 02:34:41                                   |
| 2021-05-26 00:43:00 | Time Of Report                         |      |      | 00:43:00                                   |
| 2021-05-26 00:43:00 | Total Air Temperature Aircraft         |      |      | -0.3                                       |
| 2021-05-26 00:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-26 00:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-26 00:43:00 | Vibration N1 #1 Bearing                | 0.27 | 0.24 |                                            |
| 2021-05-26 00:43:00 | Vibration N1 Phase Angle #1 Bearing    | 9    | 103  |                                            |
| 2021-05-26 00:43:00 | Vibration N1 Phase Angle Turbine Frame | 30   | 113  |                                            |
| 2021-05-26 00:43:00 | Vibration N1 Turbine Frame             | 0.44 | 0.42 |                                            |
| 2021-05-26 00:43:00 | Vibration N2 #1 Bearing                | 0.09 | 0.22 |                                            |
| 2021-05-26 00:43:00 | Vibration N2 Turbine Frame             | 0.1  | 0.1  |                                            |
| 2021-05-25 13:24:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-05-25 13:24:00 | (1)                                    |      |      | 813                                        |
| 2021-05-25 13:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-25 13:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-25 13:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-25 13:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-25 13:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-25 13:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-25 13:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-25 13:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-25 13:24:00 | Air Speed Indicated                    |      |      | 256.6                                      |
| 2021-05-25 13:24:00 | Aircraft Gross Weight                  |      |      | 61035                                      |
| 2021-05-25 13:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-25 13:24:00 | Altitude                               |      |      | 35113                                      |
| 2021-05-25 13:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-25 13:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-25 13:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-25 13:24:00 | Core Speed                             | 93.8 | 93.6 |                                            |
| 2021-05-25 13:24:00 | Date GE Received                       |      |      | 05/25/2021                                 |
| 2021-05-25 13:24:00 | Date of Report                         |      |      | 05/25/2021                                 |
| 2021-05-25 13:24:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-25 13:24:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-05-25 13:24:00 | Downlink Ground Station                |      |      | WUX                                        |
| 2021-05-25 13:24:00 | EGT Exhaust Gas Temperature            | 670  | 675  |                                            |
| 2021-05-25 13:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-25 13:24:00 | Flight Counter                         |      |      | 678                                        |
| 2021-05-25 13:24:00 | Flight Number ACARS                    |      |      | 5813                                       |
| 2021-05-25 13:24:00 | Flight Number ACMS                     |      |      | 5813                                       |
| 2021-05-25 13:24:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-25 13:24:00 | Fuel Flow                              | 1192 | 1192 |                                            |
| 2021-05-25 13:24:00 | Ground Speed                           |      |      | 471.6                                      |
| 2021-05-25 13:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-25 13:24:00 | Leg                                    |      |      | 1                                          |
| 2021-05-25 13:24:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-05-25 13:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-25 13:24:00 | N1 Indicated Fan Speed                 | 88.8 | 88.8 |                                            |
| 2021-05-25 13:24:00 | Oil Pressure                           | 44   | 45   |                                            |
| 2021-05-25 13:24:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-05-25 13:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-25 13:24:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-25 13:24:00 | Temperature Static Air                 |      |      | -39.5                                      |
| 2021-05-25 13:24:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-05-25 13:24:00 | Time GE Received                       |      |      | 15:02:19                                   |
| 2021-05-25 13:24:00 | Time Of Report                         |      |      | 13:24:00                                   |
| 2021-05-25 13:24:00 | Total Air Temperature Aircraft         |      |      | -12.3                                      |
| 2021-05-25 13:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 13:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 13:24:00 | Vibration N1 #1 Bearing                | 0.24 | 0.11 |                                            |
| 2021-05-25 13:24:00 | Vibration N1 Phase Angle #1 Bearing    | 32   | 104  |                                            |
| 2021-05-25 13:24:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 114  |                                            |
| 2021-05-25 13:24:00 | Vibration N1 Turbine Frame             | 0.83 | 0.31 |                                            |
| 2021-05-25 13:24:00 | Vibration N2 #1 Bearing                | 0.12 | 0.09 |                                            |
| 2021-05-25 13:24:00 | Vibration N2 Turbine Frame             | 0.06 | 0.08 |                                            |
| 2021-05-25 08:36:00 | (1)                                    |      | 60.2 | 21                                         |
| 2021-05-25 08:36:00 | (1)                                    |      |      | 890                                        |
| 2021-05-25 08:36:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-25 08:36:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-25 08:36:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-25 08:36:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-25 08:36:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-25 08:36:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-25 08:36:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-25 08:36:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-25 08:36:00 | Air Speed Indicated                    |      |      | 282.4                                      |
| 2021-05-25 08:36:00 | Aircraft Gross Weight                  |      |      | 56662                                      |
| 2021-05-25 08:36:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-25 08:36:00 | Altitude                               |      |      | 27600                                      |
| 2021-05-25 08:36:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-25 08:36:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-25 08:36:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-25 08:36:00 | Core Speed                             | 93.9 | 93.8 |                                            |
| 2021-05-25 08:36:00 | Date GE Received                       |      |      | 05/25/2021                                 |
| 2021-05-25 08:36:00 | Date of Report                         |      |      | 05/25/2021                                 |
| 2021-05-25 08:36:00 | Departure Station                      |      |      | ZGN                                        |
| 2021-05-25 08:36:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-25 08:36:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-25 08:36:00 | EGT Exhaust Gas Temperature            | 636  | 636  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-25 08:36:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-25 08:36:00 | Flight Counter                         |      |      | 466                                        |
| 2021-05-25 08:36:00 | Flight Number ACARS                    |      |      | 5890                                       |
| 2021-05-25 08:36:00 | Flight Number ACMS                     |      |      | 5890                                       |
| 2021-05-25 08:36:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-25 08:36:00 | Fuel Flow                              | 1231 | 1217 |                                            |
| 2021-05-25 08:36:00 | Ground Speed                           |      |      | 427.1                                      |
| 2021-05-25 08:36:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-25 08:36:00 | Leg                                    |      |      | 1                                          |
| 2021-05-25 08:36:00 | Mach Number                            |      |      | 0.713                                      |
| 2021-05-25 08:36:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-25 08:36:00 | N1 Indicated Fan Speed                 | 83.8 | 83.8 |                                            |
| 2021-05-25 08:36:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-05-25 08:36:00 | Oil Temperature                        | 113  | 114  |                                            |
| 2021-05-25 08:36:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-25 08:36:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-25 08:36:00 | Temperature Static Air                 |      |      | -20.2                                      |
| 2021-05-25 08:36:00 | Throttle Lever Angle                   | 60.2 | 60.2 |                                            |
| 2021-05-25 08:36:00 | Time GE Received                       |      |      | 09:21:19                                   |
| 2021-05-25 08:36:00 | Time Of Report                         |      |      | 08:36:00                                   |
| 2021-05-25 08:36:00 | Total Air Temperature Aircraft         |      |      | 5.5                                        |
| 2021-05-25 08:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 08:36:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 08:36:00 | Vibration N1 #1 Bearing                | 0.26 | 0.15 |                                            |
| 2021-05-25 08:36:00 | Vibration N1 Phase Angle #1 Bearing    | 1    | 98   |                                            |
| 2021-05-25 08:36:00 | Vibration N1 Phase Angle Turbine Frame | 18   | 98   |                                            |
| 2021-05-25 08:36:00 | Vibration N1 Turbine Frame             | 0.51 | 0.32 |                                            |
| 2021-05-25 08:36:00 | Vibration N2 #1 Bearing                | 0.06 | 0.12 |                                            |
| 2021-05-25 08:36:00 | Vibration N2 Turbine Frame             | 0.08 | 0.09 |                                            |
| 2021-05-25 06:18:00 | (1)                                    |      |      | 21                                         |
| 2021-05-25 06:18:00 | (1)                                    |      |      | 889                                        |
| 2021-05-25 06:18:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-25 06:18:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-25 06:18:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-25 06:18:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-25 06:18:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-25 06:18:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-25 06:18:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-25 06:18:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-25 06:18:00 | Air Speed Indicated                    |      |      | 283                                        |
| 2021-05-25 06:18:00 | Aircraft Gross Weight                  |      |      | 58368                                      |
| 2021-05-25 06:18:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-25 06:18:00 | Altitude                               |      |      | 24603                                      |
| 2021-05-25 06:18:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-25 06:18:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-25 06:18:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-25 06:18:00 | Core Speed                             | 93.3 | 93.2 |                                            |
| 2021-05-25 06:18:00 | Date GE Received                       |      |      | 05/25/2021                                 |
| 2021-05-25 06:18:00 | Date of Report                         |      |      | 05/25/2021                                 |
| 2021-05-25 06:18:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-25 06:18:00 | Destination Station                    |      |      | ZGN                                        |
| 2021-05-25 06:18:00 | Downlink Ground Station                |      |      | NNG                                        |
| 2021-05-25 06:18:00 | EGT Exhaust Gas Temperature            | 623  | 623  |                                            |
| 2021-05-25 06:18:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-25 06:18:00 | Flight Counter                         |      |      | 2492                                       |
| 2021-05-25 06:18:00 | Flight Number ACARS                    |      |      | 5889                                       |
| 2021-05-25 06:18:00 | Flight Number ACMS                     |      |      | 5889                                       |
| 2021-05-25 06:18:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-25 06:18:00 | Fuel Flow                              | 1246 | 1234 |                                            |
| 2021-05-25 06:18:00 | Ground Speed                           |      |      | 439.6                                      |
| 2021-05-25 06:18:00 | Isolation valve left                   |      |      | 0                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-25 06:18:00 | Leg                                    |      |      | 1                                          |
| 2021-05-25 06:18:00 | Mach Number                            |      |      | 0.673                                      |
| 2021-05-25 06:18:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-25 06:18:00 | N1 Indicated Fan Speed                 | 81.7 | 81.6 |                                            |
| 2021-05-25 06:18:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-05-25 06:18:00 | Oil Temperature                        | 110  | 111  |                                            |
| 2021-05-25 06:18:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-25 06:18:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-25 06:18:00 | Temperature Static Air                 |      |      | -13.8                                      |
| 2021-05-25 06:18:00 | Throttle Lever Angle                   | 59.2 | 59.2 |                                            |
| 2021-05-25 06:18:00 | Time GE Received                       |      |      | 06:46:48                                   |
| 2021-05-25 06:18:00 | Time Of Report                         |      |      | 06:18:00                                   |
| 2021-05-25 06:18:00 | Total Air Temperature Aircraft         |      |      | 9.8                                        |
| 2021-05-25 06:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 06:18:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 06:18:00 | Vibration N1 #1 Bearing                | 0.24 | 0.11 |                                            |
| 2021-05-25 06:18:00 | Vibration N1 Phase Angle #1 Bearing    | 357  | 87   |                                            |
| 2021-05-25 06:18:00 | Vibration N1 Phase Angle Turbine Frame | 10   | 86   |                                            |
| 2021-05-25 06:18:00 | Vibration N1 Turbine Frame             | 0.48 | 0.25 |                                            |
| 2021-05-25 06:18:00 | Vibration N2 #1 Bearing                | 0.07 | 0.11 |                                            |
| 2021-05-25 06:18:00 | Vibration N2 Turbine Frame             | 0.09 | 0.09 |                                            |
| 2021-05-25 02:25:00 | (1)                                    |      |      | 21                                         |
| 2021-05-25 02:25:00 | (1)                                    |      |      | 752                                        |
| 2021-05-25 02:25:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-25 02:25:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-25 02:25:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-25 02:25:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-25 02:25:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-25 02:25:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-25 02:25:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-25 02:25:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-25 02:25:00 | Air Speed Indicated                    |      |      | 269.9                                      |
| 2021-05-25 02:25:00 | Aircraft Gross Weight                  |      |      | 67040                                      |
| 2021-05-25 02:25:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-25 02:25:00 | Altitude                               |      |      | 32100                                      |
| 2021-05-25 02:25:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-25 02:25:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-25 02:25:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-25 02:25:00 | Core Speed                             | 93   | 93.1 |                                            |
| 2021-05-25 02:25:00 | Date GE Received                       |      |      | 05/25/2021                                 |
| 2021-05-25 02:25:00 | Date of Report                         |      |      | 05/25/2021                                 |
| 2021-05-25 02:25:00 | Departure Station                      |      |      | ZBT                                        |
| 2021-05-25 02:25:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-25 02:25:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-25 02:25:00 | EGT Exhaust Gas Temperature            | 647  | 645  |                                            |
| 2021-05-25 02:25:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-25 02:25:00 | Flight Counter                         |      |      | 3090                                       |
| 2021-05-25 02:25:00 | Flight Number ACARS                    |      |      | 5752                                       |
| 2021-05-25 02:25:00 | Flight Number ACMS                     |      |      | 5752                                       |
| 2021-05-25 02:25:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-25 02:25:00 | Fuel Flow                              | 1266 | 1245 |                                            |
| 2021-05-25 02:25:00 | Ground Speed                           |      |      | 361.1                                      |
| 2021-05-25 02:25:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-25 02:25:00 | Leg                                    |      |      | 1                                          |
| 2021-05-25 02:25:00 | Mach Number                            |      |      | 0.749                                      |
| 2021-05-25 02:25:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-25 02:25:00 | N1 Indicated Fan Speed                 | 87   | 87.1 |                                            |
| 2021-05-25 02:25:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-05-25 02:25:00 | Oil Temperature                        | 103  | 102  |                                            |
| 2021-05-25 02:25:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-25 02:25:00 | Software ID ACMS                       |      |      | A85 28                                     |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-25 02:25:00 | Temperature Static Air                 |      |      | -39                                        |
| 2021-05-25 02:25:00 | Throttle Lever Angle                   | 61.1 | 61.1 |                                            |
| 2021-05-25 02:25:00 | Time GE Received                       |      |      | 04:17:56                                   |
| 2021-05-25 02:25:00 | Time Of Report                         |      |      | 02:25:00                                   |
| 2021-05-25 02:25:00 | Total Air Temperature Aircraft         |      |      | -12.5                                      |
| 2021-05-25 02:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 02:25:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-25 02:25:00 | Vibration N1 #1 Bearing                | 0.26 | 0.24 |                                            |
| 2021-05-25 02:25:00 | Vibration N1 Phase Angle #1 Bearing    | 8    | 141  |                                            |
| 2021-05-25 02:25:00 | Vibration N1 Phase Angle Turbine Frame | 24   | 144  |                                            |
| 2021-05-25 02:25:00 | Vibration N1 Turbine Frame             | 0.49 | 0.35 |                                            |
| 2021-05-25 02:25:00 | Vibration N2 #1 Bearing                | 0.04 | 0.11 |                                            |
| 2021-05-25 02:25:00 | Vibration N2 Turbine Frame             | 0.02 | 0.15 |                                            |
| 2021-05-24 14:22:00 | (1)                                    |      | 62.4 | 21                                         |
| 2021-05-24 14:22:00 | (1)                                    |      |      | 751                                        |
| 2021-05-24 14:22:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-24 14:22:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-24 14:22:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-24 14:22:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-24 14:22:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-24 14:22:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-24 14:22:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-24 14:22:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-24 14:22:00 | Air Speed Indicated                    |      |      | 256.3                                      |
| 2021-05-24 14:22:00 | Aircraft Gross Weight                  |      |      | 65262                                      |
| 2021-05-24 14:22:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-24 14:22:00 | Altitude                               |      |      | 35105                                      |
| 2021-05-24 14:22:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-24 14:22:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-24 14:22:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-24 14:22:00 | Core Speed                             | 93.7 | 93.4 |                                            |
| 2021-05-24 14:22:00 | Date GE Received                       |      |      | 05/24/2021                                 |
| 2021-05-24 14:22:00 | Date of Report                         |      |      | 05/24/2021                                 |
| 2021-05-24 14:22:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-24 14:22:00 | Destination Station                    |      |      | ZBT                                        |
| 2021-05-24 14:22:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-05-24 14:22:00 | EGT Exhaust Gas Temperature            | 667  | 676  |                                            |
| 2021-05-24 14:22:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-24 14:22:00 | Flight Counter                         |      |      | 1155                                       |
| 2021-05-24 14:22:00 | Flight Number ACARS                    |      |      | 5751                                       |
| 2021-05-24 14:22:00 | Flight Number ACMS                     |      |      | 5751                                       |
| 2021-05-24 14:22:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-24 14:22:00 | Fuel Flow                              | 1170 | 1163 |                                            |
| 2021-05-24 14:22:00 | Ground Speed                           |      |      | 446.8                                      |
| 2021-05-24 14:22:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-24 14:22:00 | Leg                                    |      |      | 1                                          |
| 2021-05-24 14:22:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-05-24 14:22:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-24 14:22:00 | N1 Indicated Fan Speed                 | 88.4 | 88.4 |                                            |
| 2021-05-24 14:22:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-24 14:22:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-05-24 14:22:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-24 14:22:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-24 14:22:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-05-24 14:22:00 | Throttle Lever Angle                   | 62.4 | 62.4 |                                            |
| 2021-05-24 14:22:00 | Time GE Received                       |      |      | 16:03:20                                   |
| 2021-05-24 14:22:00 | Time Of Report                         |      |      | 14:22:00                                   |
| 2021-05-24 14:22:00 | Total Air Temperature Aircraft         |      |      | -11.5                                      |
| 2021-05-24 14:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 14:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 14:22:00 | Vibration N1 #1 Bearing                | 0.35 | 0.11 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-24 14:22:00 | Vibration N1 Phase Angle #1 Bearing    | 23   | 87   |                                            |
| 2021-05-24 14:22:00 | Vibration N1 Phase Angle Turbine Frame | 34   | 109  |                                            |
| 2021-05-24 14:22:00 | Vibration N1 Turbine Frame             | 0.92 | 0.29 |                                            |
| 2021-05-24 14:22:00 | Vibration N2 #1 Bearing                | 0.13 | 0.12 |                                            |
| 2021-05-24 14:22:00 | Vibration N2 Turbine Frame             | 0.08 | 0.1  |                                            |
| 2021-05-24 09:54:00 | (1)                                    |      | 62   | 21                                         |
| 2021-05-24 09:54:00 | (1)                                    |      |      | 810                                        |
| 2021-05-24 09:54:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-24 09:54:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-24 09:54:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-24 09:54:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-24 09:54:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-24 09:54:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-24 09:54:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-24 09:54:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-24 09:54:00 | Air Speed Indicated                    |      |      | 262.2                                      |
| 2021-05-24 09:54:00 | Aircraft Gross Weight                  |      |      | 63194                                      |
| 2021-05-24 09:54:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-24 09:54:00 | Altitude                               |      |      | 34101                                      |
| 2021-05-24 09:54:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-24 09:54:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-24 09:54:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-24 09:54:00 | Core Speed                             | 93.7 | 93.5 |                                            |
| 2021-05-24 09:54:00 | Date GE Received                       |      |      | 05/24/2021                                 |
| 2021-05-24 09:54:00 | Date of Report                         |      |      | 05/24/2021                                 |
| 2021-05-24 09:54:00 | Departure Station                      |      |      | ZSS                                        |
| 2021-05-24 09:54:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-24 09:54:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-24 09:54:00 | EGT Exhaust Gas Temperature            | 661  | 676  |                                            |
| 2021-05-24 09:54:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-24 09:54:00 | Flight Counter                         |      |      | 1225                                       |
| 2021-05-24 09:54:00 | Flight Number ACARS                    |      |      | 5810                                       |
| 2021-05-24 09:54:00 | Flight Number ACMS                     |      |      | 5810                                       |
| 2021-05-24 09:54:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-24 09:54:00 | Fuel Flow                              | 1177 | 1187 |                                            |
| 2021-05-24 09:54:00 | Ground Speed                           |      |      | 388.2                                      |
| 2021-05-24 09:54:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-24 09:54:00 | Leg                                    |      |      | 1                                          |
| 2021-05-24 09:54:00 | Mach Number                            |      |      | 0.76                                       |
| 2021-05-24 09:54:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-24 09:54:00 | N1 Indicated Fan Speed                 | 87.7 | 87.8 |                                            |
| 2021-05-24 09:54:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-05-24 09:54:00 | Oil Temperature                        | 111  | 109  |                                            |
| 2021-05-24 09:54:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-24 09:54:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-24 09:54:00 | Temperature Static Air                 |      |      | -36.5                                      |
| 2021-05-24 09:54:00 | Throttle Lever Angle                   | 61.9 | 62   |                                            |
| 2021-05-24 09:54:00 | Time GE Received                       |      |      | 12:14:07                                   |
| 2021-05-24 09:54:00 | Time Of Report                         |      |      | 09:54:00                                   |
| 2021-05-24 09:54:00 | Total Air Temperature Aircraft         |      |      | -9.3                                       |
| 2021-05-24 09:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 09:54:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 09:54:00 | Vibration N1 #1 Bearing                | 0.42 | 0.12 |                                            |
| 2021-05-24 09:54:00 | Vibration N1 Phase Angle #1 Bearing    | 22   | 61   |                                            |
| 2021-05-24 09:54:00 | Vibration N1 Phase Angle Turbine Frame | 37   | 96   |                                            |
| 2021-05-24 09:54:00 | Vibration N1 Turbine Frame             | 0.94 | 0.35 |                                            |
| 2021-05-24 09:54:00 | Vibration N2 #1 Bearing                | 0.15 | 0.15 |                                            |
| 2021-05-24 09:54:00 | Vibration N2 Turbine Frame             | 0.07 | 0.13 |                                            |
| 2021-05-24 05:49:00 | (1)                                    |      | 62.2 | 21                                         |
| 2021-05-24 05:49:00 | (1)                                    |      |      | 809                                        |
| 2021-05-24 05:49:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-24 05:49:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-24 05:49:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-24 05:49:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-24 05:49:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-24 05:49:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-24 05:49:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-24 05:49:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-24 05:49:00 | Air Speed Indicated                    |      |      | 252.8                                      |
| 2021-05-24 05:49:00 | Aircraft Gross Weight                  |      |      | 62904                                      |
| 2021-05-24 05:49:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-24 05:49:00 | Altitude                               |      |      | 35100                                      |
| 2021-05-24 05:49:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-24 05:49:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-24 05:49:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-24 05:49:00 | Core Speed                             | 93.4 | 93.3 |                                            |
| 2021-05-24 05:49:00 | Date GE Received                       |      |      | 05/24/2021                                 |
| 2021-05-24 05:49:00 | Date of Report                         |      |      | 05/24/2021                                 |
| 2021-05-24 05:49:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-24 05:49:00 | Destination Station                    |      |      | ZSS                                        |
| 2021-05-24 05:49:00 | Downlink Ground Station                |      |      | NKG                                        |
| 2021-05-24 05:49:00 | EGT Exhaust Gas Temperature            | 658  | 671  |                                            |
| 2021-05-24 05:49:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-24 05:49:00 | Flight Counter                         |      |      | 1658                                       |
| 2021-05-24 05:49:00 | Flight Number ACARS                    |      |      | 5809                                       |
| 2021-05-24 05:49:00 | Flight Number ACMS                     |      |      | 5809                                       |
| 2021-05-24 05:49:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-24 05:49:00 | Fuel Flow                              | 1150 | 1152 |                                            |
| 2021-05-24 05:49:00 | Ground Speed                           |      |      | 473.9                                      |
| 2021-05-24 05:49:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-24 05:49:00 | Leg                                    |      |      | 1                                          |
| 2021-05-24 05:49:00 | Mach Number                            |      |      | 0.75                                       |
| 2021-05-24 05:49:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-24 05:49:00 | N1 Indicated Fan Speed                 | 88.1 | 88.2 |                                            |
| 2021-05-24 05:49:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-24 05:49:00 | Oil Temperature                        | 112  | 110  |                                            |
| 2021-05-24 05:49:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-24 05:49:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-24 05:49:00 | Temperature Static Air                 |      |      | -39.8                                      |
| 2021-05-24 05:49:00 | Throttle Lever Angle                   | 62.1 | 62.2 |                                            |
| 2021-05-24 05:49:00 | Time GE Received                       |      |      | 07:29:35                                   |
| 2021-05-24 05:49:00 | Time Of Report                         |      |      | 05:49:00                                   |
| 2021-05-24 05:49:00 | Total Air Temperature Aircraft         |      |      | -13.5                                      |
| 2021-05-24 05:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 05:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 05:49:00 | Vibration N1 #1 Bearing                | 0.25 | 0.12 |                                            |
| 2021-05-24 05:49:00 | Vibration N1 Phase Angle #1 Bearing    | 42   | 84   |                                            |
| 2021-05-24 05:49:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 110  |                                            |
| 2021-05-24 05:49:00 | Vibration N1 Turbine Frame             | 0.72 | 0.4  |                                            |
| 2021-05-24 05:49:00 | Vibration N2 #1 Bearing                | 0.08 | 0.13 |                                            |
| 2021-05-24 05:49:00 | Vibration N2 Turbine Frame             | 0.06 | 0.11 |                                            |
| 2021-05-24 01:34:00 | (1)                                    |      | 58   | 21                                         |
| 2021-05-24 01:34:00 | (1)                                    |      |      | 840                                        |
| 2021-05-24 01:34:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-24 01:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-24 01:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-24 01:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-24 01:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-24 01:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-24 01:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-24 01:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-24 01:34:00 | Air Speed Indicated                    |      |      | 301.4                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-24 01:34:00 | Aircraft Gross Weight                  |      |      | 66932                                      |
| 2021-05-24 01:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-24 01:34:00 | Altitude                               |      |      | 19703                                      |
| 2021-05-24 01:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-24 01:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-24 01:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-24 01:34:00 | Core Speed                             | 91.6 | 91.5 |                                            |
| 2021-05-24 01:34:00 | Date GE Received                       |      |      | 05/24/2021                                 |
| 2021-05-24 01:34:00 | Date of Report                         |      |      | 05/24/2021                                 |
| 2021-05-24 01:34:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-05-24 01:34:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-24 01:34:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-24 01:34:00 | EGT Exhaust Gas Temperature            | 607  | 614  |                                            |
| 2021-05-24 01:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-24 01:34:00 | Flight Counter                         |      |      | 1919                                       |
| 2021-05-24 01:34:00 | Flight Number ACARS                    |      |      | 5840                                       |
| 2021-05-24 01:34:00 | Flight Number ACMS                     |      |      | 5840                                       |
| 2021-05-24 01:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-24 01:34:00 | Fuel Flow                              | 1436 | 1416 |                                            |
| 2021-05-24 01:34:00 | Ground Speed                           |      |      | 352.1                                      |
| 2021-05-24 01:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-24 01:34:00 | Leg                                    |      |      | 1                                          |
| 2021-05-24 01:34:00 | Mach Number                            |      |      | 0.651                                      |
| 2021-05-24 01:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-24 01:34:00 | N1 Indicated Fan Speed                 | 79.9 | 79.7 |                                            |
| 2021-05-24 01:34:00 | Oil Pressure                           | 48   | 50   |                                            |
| 2021-05-24 01:34:00 | Oil Temperature                        | 100  | 100  |                                            |
| 2021-05-24 01:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-24 01:34:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-24 01:34:00 | Temperature Static Air                 |      |      | -14.5                                      |
| 2021-05-24 01:34:00 | Throttle Lever Angle                   | 58.1 | 58   |                                            |
| 2021-05-24 01:34:00 | Time GE Received                       |      |      | 03:36:21                                   |
| 2021-05-24 01:34:00 | Time Of Report                         |      |      | 01:34:00                                   |
| 2021-05-24 01:34:00 | Total Air Temperature Aircraft         |      |      | 7.3                                        |
| 2021-05-24 01:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 01:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-24 01:34:00 | Vibration N1 #1 Bearing                | 0.26 | 0.13 |                                            |
| 2021-05-24 01:34:00 | Vibration N1 Phase Angle #1 Bearing    | 1    | 103  |                                            |
| 2021-05-24 01:34:00 | Vibration N1 Phase Angle Turbine Frame | 8    | 90   |                                            |
| 2021-05-24 01:34:00 | Vibration N1 Turbine Frame             | 0.42 | 0.17 |                                            |
| 2021-05-24 01:34:00 | Vibration N2 #1 Bearing                | 0.05 | 0.15 |                                            |
| 2021-05-24 01:34:00 | Vibration N2 Turbine Frame             | 0.04 | 0.13 |                                            |
| 2021-05-23 14:50:00 | (1)                                    |      | 62.7 | 21                                         |
| 2021-05-23 14:50:00 | (1)                                    |      |      | 839                                        |
| 2021-05-23 14:50:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-23 14:50:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-23 14:50:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-23 14:50:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-23 14:50:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-23 14:50:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-23 14:50:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-23 14:50:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-23 14:50:00 | Air Speed Indicated                    |      |      | 258.2                                      |
| 2021-05-23 14:50:00 | Aircraft Gross Weight                  |      |      | 62559                                      |
| 2021-05-23 14:50:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-23 14:50:00 | Altitude                               |      |      | 35099                                      |
| 2021-05-23 14:50:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-23 14:50:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-23 14:50:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-23 14:50:00 | Core Speed                             | 94   | 93.8 |                                            |
| 2021-05-23 14:50:00 | Date GE Received                       |      |      | 05/23/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-23 14:50:00 | Date of Report                         |      |      | 05/23/2021                                 |
| 2021-05-23 14:50:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-23 14:50:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-05-23 14:50:00 | Downlink Ground Station                |      |      | NNY                                        |
| 2021-05-23 14:50:00 | EGT Exhaust Gas Temperature            | 668  | 681  |                                            |
| 2021-05-23 14:50:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-23 14:50:00 | Flight Counter                         |      |      | 2661                                       |
| 2021-05-23 14:50:00 | Flight Number ACARS                    |      |      | 5839                                       |
| 2021-05-23 14:50:00 | Flight Number ACMS                     |      |      | 5839                                       |
| 2021-05-23 14:50:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-23 14:50:00 | Fuel Flow                              | 1183 | 1182 |                                            |
| 2021-05-23 14:50:00 | Ground Speed                           |      |      | 462.2                                      |
| 2021-05-23 14:50:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-23 14:50:00 | Leg                                    |      |      | 1                                          |
| 2021-05-23 14:50:00 | Mach Number                            |      |      | 0.765                                      |
| 2021-05-23 14:50:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-23 14:50:00 | N1 Indicated Fan Speed                 | 88.8 | 88.8 |                                            |
| 2021-05-23 14:50:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-23 14:50:00 | Oil Temperature                        | 115  | 113  |                                            |
| 2021-05-23 14:50:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-23 14:50:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-23 14:50:00 | Temperature Static Air                 |      |      | -38.5                                      |
| 2021-05-23 14:50:00 | Throttle Lever Angle                   | 62.7 | 62.7 |                                            |
| 2021-05-23 14:50:00 | Time GE Received                       |      |      | 16:08:34                                   |
| 2021-05-23 14:50:00 | Time Of Report                         |      |      | 14:50:00                                   |
| 2021-05-23 14:50:00 | Total Air Temperature Aircraft         |      |      | -11                                        |
| 2021-05-23 14:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-23 14:50:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-23 14:50:00 | Vibration N1 #1 Bearing                | 0.41 | 0.12 |                                            |
| 2021-05-23 14:50:00 | Vibration N1 Phase Angle #1 Bearing    | 41   | 78   |                                            |
| 2021-05-23 14:50:00 | Vibration N1 Phase Angle Turbine Frame | 47   | 105  |                                            |
| 2021-05-23 14:50:00 | Vibration N1 Turbine Frame             | 0.58 | 0.44 |                                            |
| 2021-05-23 14:50:00 | Vibration N2 #1 Bearing                | 0.05 | 0.2  |                                            |
| 2021-05-23 14:50:00 | Vibration N2 Turbine Frame             | 0.03 | 0.14 |                                            |
| 2021-05-23 07:14:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-05-23 07:14:00 | (1)                                    |      |      | 734                                        |
| 2021-05-23 07:14:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-23 07:14:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-23 07:14:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-23 07:14:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-23 07:14:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-23 07:14:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-23 07:14:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-23 07:14:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-23 07:14:00 | Air Speed Indicated                    |      |      | 265                                        |
| 2021-05-23 07:14:00 | Aircraft Gross Weight                  |      |      | 64645                                      |
| 2021-05-23 07:14:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-23 07:14:00 | Altitude                               |      |      | 34106                                      |
| 2021-05-23 07:14:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-23 07:14:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-23 07:14:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-23 07:14:00 | Core Speed                             | 94.2 | 93.9 |                                            |
| 2021-05-23 07:14:00 | Date GE Received                       |      |      | 05/23/2021                                 |
| 2021-05-23 07:14:00 | Date of Report                         |      |      | 05/23/2021                                 |
| 2021-05-23 07:14:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-23 07:14:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-23 07:14:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-23 07:14:00 | EGT Exhaust Gas Temperature            | 669  | 682  |                                            |
| 2021-05-23 07:14:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-23 07:14:00 | Flight Counter                         |      |      | 839                                        |
| 2021-05-23 07:14:00 | Flight Number ACARS                    |      |      | 5734                                       |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-23 07:14:00 | Flight Number ACMS                     |      |      | 5734                                       |
| 2021-05-23 07:14:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-23 07:14:00 | Fuel Flow                              | 1232 | 1224 |                                            |
| 2021-05-23 07:14:00 | Ground Speed                           |      |      | 473.7                                      |
| 2021-05-23 07:14:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-23 07:14:00 | Leg                                    |      |      | 1                                          |
| 2021-05-23 07:14:00 | Mach Number                            |      |      | 0.767                                      |
| 2021-05-23 07:14:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-23 07:14:00 | N1 Indicated Fan Speed                 | 88.7 | 88.7 |                                            |
| 2021-05-23 07:14:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-23 07:14:00 | Oil Temperature                        | 117  | 115  |                                            |
| 2021-05-23 07:14:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-23 07:14:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-23 07:14:00 | Temperature Static Air                 |      |      | -36.5                                      |
| 2021-05-23 07:14:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-05-23 07:14:00 | Time GE Received                       |      |      | 08:26:44                                   |
| 2021-05-23 07:14:00 | Time Of Report                         |      |      | 07:14:00                                   |
| 2021-05-23 07:14:00 | Total Air Temperature Aircraft         |      |      | -8.8                                       |
| 2021-05-23 07:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-23 07:14:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-23 07:14:00 | Vibration N1 #1 Bearing                | 0.42 | 0.12 |                                            |
| 2021-05-23 07:14:00 | Vibration N1 Phase Angle #1 Bearing    | 41   | 87   |                                            |
| 2021-05-23 07:14:00 | Vibration N1 Phase Angle Turbine Frame | 46   | 107  |                                            |
| 2021-05-23 07:14:00 | Vibration N1 Turbine Frame             | 0.55 | 0.4  |                                            |
| 2021-05-23 07:14:00 | Vibration N2 #1 Bearing                | 0.06 | 0.17 |                                            |
| 2021-05-23 07:14:00 | Vibration N2 Turbine Frame             | 0.07 | 0.11 |                                            |
| 2021-05-23 03:29:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-05-23 03:29:00 | (1)                                    |      |      | 733                                        |
| 2021-05-23 03:29:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-23 03:29:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-23 03:29:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-23 03:29:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-23 03:29:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-23 03:29:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-23 03:29:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-23 03:29:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-23 03:29:00 | Air Speed Indicated                    |      |      | 261.4                                      |
| 2021-05-23 03:29:00 | Aircraft Gross Weight                  |      |      | 64555                                      |
| 2021-05-23 03:29:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-23 03:29:00 | Altitude                               |      |      | 35112                                      |
| 2021-05-23 03:29:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-23 03:29:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-23 03:29:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-23 03:29:00 | Core Speed                             | 93.8 | 93.5 |                                            |
| 2021-05-23 03:29:00 | Date GE Received                       |      |      | 05/23/2021                                 |
| 2021-05-23 03:29:00 | Date of Report                         |      |      | 05/23/2021                                 |
| 2021-05-23 03:29:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-23 03:29:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-23 03:29:00 | Downlink Ground Station                |      |      | HAK                                        |
| 2021-05-23 03:29:00 | EGT Exhaust Gas Temperature            | 667  | 680  |                                            |
| 2021-05-23 03:29:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-23 03:29:00 | Flight Counter                         |      |      | 1560                                       |
| 2021-05-23 03:29:00 | Flight Number ACARS                    |      |      | 5733                                       |
| 2021-05-23 03:29:00 | Flight Number ACMS                     |      |      | 5733                                       |
| 2021-05-23 03:29:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-23 03:29:00 | Fuel Flow                              | 1184 | 1181 |                                            |
| 2021-05-23 03:29:00 | Ground Speed                           |      |      | 446.6                                      |
| 2021-05-23 03:29:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-23 03:29:00 | Leg                                    |      |      | 1                                          |
| 2021-05-23 03:29:00 | Mach Number                            |      |      | 0.774                                      |
| 2021-05-23 03:29:00 | Message Type                           |      |      | CES B737NG CRZ                             |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-23 03:29:00 | N1 Indicated Fan Speed                 | 88.4 | 88.4 |                                            |
| 2021-05-23 03:29:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-05-23 03:29:00 | Oil Temperature                        | 112  | 111  |                                            |
| 2021-05-23 03:29:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-23 03:29:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-23 03:29:00 | Temperature Static Air                 |      |      | -39.5                                      |
| 2021-05-23 03:29:00 | Throttle Lever Angle                   | 62.3 | 62.3 |                                            |
| 2021-05-23 03:29:00 | Time GE Received                       |      |      | 04:25:31                                   |
| 2021-05-23 03:29:00 | Time Of Report                         |      |      | 03:29:00                                   |
| 2021-05-23 03:29:00 | Total Air Temperature Aircraft         |      |      | -11.5                                      |
| 2021-05-23 03:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-23 03:29:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-23 03:29:00 | Vibration N1 #1 Bearing                | 0.41 | 0.1  |                                            |
| 2021-05-23 03:29:00 | Vibration N1 Phase Angle #1 Bearing    | 29   | 75   |                                            |
| 2021-05-23 03:29:00 | Vibration N1 Phase Angle Turbine Frame | 39   | 104  |                                            |
| 2021-05-23 03:29:00 | Vibration N1 Turbine Frame             | 0.79 | 0.37 |                                            |
| 2021-05-23 03:29:00 | Vibration N2 #1 Bearing                | 0.11 | 0.13 |                                            |
| 2021-05-23 03:29:00 | Vibration N2 Turbine Frame             | 0.08 | 0.1  |                                            |
| 2021-05-22 14:51:00 | (1)                                    |      | 62.6 | 21                                         |
| 2021-05-22 14:51:00 | (1)                                    |      |      | 740                                        |
| 2021-05-22 14:51:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-22 14:51:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-22 14:51:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-22 14:51:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-22 14:51:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-22 14:51:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-22 14:51:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-22 14:51:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-22 14:51:00 | Air Speed Indicated                    |      |      | 275.6                                      |
| 2021-05-22 14:51:00 | Aircraft Gross Weight                  |      |      | 65589                                      |
| 2021-05-22 14:51:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-22 14:51:00 | Altitude                               |      |      | 32101                                      |
| 2021-05-22 14:51:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-22 14:51:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-22 14:51:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-22 14:51:00 | Core Speed                             | 94.6 | 94.6 |                                            |
| 2021-05-22 14:51:00 | Date GE Received                       |      |      | 05/22/2021                                 |
| 2021-05-22 14:51:00 | Date of Report                         |      |      | 05/22/2021                                 |
| 2021-05-22 14:51:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-22 14:51:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-22 14:51:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-22 14:51:00 | EGT Exhaust Gas Temperature            | 666  | 667  |                                            |
| 2021-05-22 14:51:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-22 14:51:00 | Flight Counter                         |      |      | 86                                         |
| 2021-05-22 14:51:00 | Flight Number ACARS                    |      |      | 5740                                       |
| 2021-05-22 14:51:00 | Flight Number ACMS                     |      |      | 5740                                       |
| 2021-05-22 14:51:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-22 14:51:00 | Fuel Flow                              | 1299 | 1280 |                                            |
| 2021-05-22 14:51:00 | Ground Speed                           |      |      | 469.9                                      |
| 2021-05-22 14:51:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-22 14:51:00 | Leg                                    |      |      | 1                                          |
| 2021-05-22 14:51:00 | Mach Number                            |      |      | 0.763                                      |
| 2021-05-22 14:51:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-22 14:51:00 | N1 Indicated Fan Speed                 | 88.3 | 88.3 |                                            |
| 2021-05-22 14:51:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-05-22 14:51:00 | Oil Temperature                        | 115  | 114  |                                            |
| 2021-05-22 14:51:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-22 14:51:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-22 14:51:00 | Temperature Static Air                 |      |      | -32.3                                      |
| 2021-05-22 14:51:00 | Throttle Lever Angle                   | 62.6 | 62.6 |                                            |
| 2021-05-22 14:51:00 | Time GE Received                       |      |      | 16:07:24                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-22 14:51:00 | Time Of Report                         |      |      | 14:51:00                                   |
| 2021-05-22 14:51:00 | Total Air Temperature Aircraft         |      |      | -4                                         |
| 2021-05-22 14:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 14:51:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 14:51:00 | Vibration N1 #1 Bearing                | 0.47 | 0.23 |                                            |
| 2021-05-22 14:51:00 | Vibration N1 Phase Angle #1 Bearing    | 36   | 101  |                                            |
| 2021-05-22 14:51:00 | Vibration N1 Phase Angle Turbine Frame | 50   | 115  |                                            |
| 2021-05-22 14:51:00 | Vibration N1 Turbine Frame             | 0.59 | 0.44 |                                            |
| 2021-05-22 14:51:00 | Vibration N2 #1 Bearing                | 0.06 | 0.1  |                                            |
| 2021-05-22 14:51:00 | Vibration N2 Turbine Frame             | 0.09 | 0.05 |                                            |
| 2021-05-22 11:26:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-05-22 11:26:00 | (1)                                    |      |      | 739                                        |
| 2021-05-22 11:26:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-22 11:26:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-22 11:26:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-22 11:26:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-22 11:26:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-22 11:26:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-22 11:26:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-22 11:26:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-22 11:26:00 | Air Speed Indicated                    |      |      | 256.4                                      |
| 2021-05-22 11:26:00 | Aircraft Gross Weight                  |      |      | 64972                                      |
| 2021-05-22 11:26:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-22 11:26:00 | Altitude                               |      |      | 35100                                      |
| 2021-05-22 11:26:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-22 11:26:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-22 11:26:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-22 11:26:00 | Core Speed                             | 93.8 | 93.6 |                                            |
| 2021-05-22 11:26:00 | Date GE Received                       |      |      | 05/22/2021                                 |
| 2021-05-22 11:26:00 | Date of Report                         |      |      | 05/22/2021                                 |
| 2021-05-22 11:26:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-22 11:26:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-22 11:26:00 | Downlink Ground Station                |      |      | SZX                                        |
| 2021-05-22 11:26:00 | EGT Exhaust Gas Temperature            | 664  | 676  |                                            |
| 2021-05-22 11:26:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-22 11:26:00 | Flight Counter                         |      |      | 1115                                       |
| 2021-05-22 11:26:00 | Flight Number ACARS                    |      |      | 5739                                       |
| 2021-05-22 11:26:00 | Flight Number ACMS                     |      |      | 5739                                       |
| 2021-05-22 11:26:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-22 11:26:00 | Fuel Flow                              | 1172 | 1174 |                                            |
| 2021-05-22 11:26:00 | Ground Speed                           |      |      | 451.4                                      |
| 2021-05-22 11:26:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-22 11:26:00 | Leg                                    |      |      | 1                                          |
| 2021-05-22 11:26:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-05-22 11:26:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-22 11:26:00 | N1 Indicated Fan Speed                 | 88.4 | 88.4 |                                            |
| 2021-05-22 11:26:00 | Oil Pressure                           | 43   | 46   |                                            |
| 2021-05-22 11:26:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-05-22 11:26:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-22 11:26:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-22 11:26:00 | Temperature Static Air                 |      |      | -39                                        |
| 2021-05-22 11:26:00 | Throttle Lever Angle                   | 62.4 | 62.3 |                                            |
| 2021-05-22 11:26:00 | Time GE Received                       |      |      | 12:16:57                                   |
| 2021-05-22 11:26:00 | Time Of Report                         |      |      | 11:26:00                                   |
| 2021-05-22 11:26:00 | Total Air Temperature Aircraft         |      |      | -12                                        |
| 2021-05-22 11:26:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 11:26:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 11:26:00 | Vibration N1 #1 Bearing                | 0.29 | 0.11 |                                            |
| 2021-05-22 11:26:00 | Vibration N1 Phase Angle #1 Bearing    | 38   | 92   |                                            |
| 2021-05-22 11:26:00 | Vibration N1 Phase Angle Turbine Frame | 32   | 112  |                                            |
| 2021-05-22 11:26:00 | Vibration N1 Turbine Frame             | 0.65 | 0.32 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-22 11:26:00 | Vibration N2 #1 Bearing                | 0.11 | 0.12 |                                            |
| 2021-05-22 11:26:00 | Vibration N2 Turbine Frame             | 0.1  | 0.12 |                                            |
| 2021-05-22 06:55:00 | (1)                                    |      | 62.8 | 21                                         |
| 2021-05-22 06:55:00 | (1)                                    |      |      | 734                                        |
| 2021-05-22 06:55:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-22 06:55:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-22 06:55:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-22 06:55:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-22 06:55:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-22 06:55:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-22 06:55:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-22 06:55:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-22 06:55:00 | Air Speed Indicated                    |      |      | 284.3                                      |
| 2021-05-22 06:55:00 | Aircraft Gross Weight                  |      |      | 66188                                      |
| 2021-05-22 06:55:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-22 06:55:00 | Altitude                               |      |      | 30101                                      |
| 2021-05-22 06:55:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-22 06:55:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-22 06:55:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-22 06:55:00 | Core Speed                             | 94.9 | 94.9 |                                            |
| 2021-05-22 06:55:00 | Date GE Received                       |      |      | 05/22/2021                                 |
| 2021-05-22 06:55:00 | Date of Report                         |      |      | 05/22/2021                                 |
| 2021-05-22 06:55:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-22 06:55:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-22 06:55:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-22 06:55:00 | EGT Exhaust Gas Temperature            | 668  | 670  |                                            |
| 2021-05-22 06:55:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-22 06:55:00 | Flight Counter                         |      |      | 1135                                       |
| 2021-05-22 06:55:00 | Flight Number ACARS                    |      |      | 5734                                       |
| 2021-05-22 06:55:00 | Flight Number ACMS                     |      |      | 5734                                       |
| 2021-05-22 06:55:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-22 06:55:00 | Fuel Flow                              | 1345 | 1329 |                                            |
| 2021-05-22 06:55:00 | Ground Speed                           |      |      | 464.1                                      |
| 2021-05-22 06:55:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-22 06:55:00 | Leg                                    |      |      | 1                                          |
| 2021-05-22 06:55:00 | Mach Number                            |      |      | 0.755                                      |
| 2021-05-22 06:55:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-22 06:55:00 | N1 Indicated Fan Speed                 | 87.8 | 87.8 |                                            |
| 2021-05-22 06:55:00 | Oil Pressure                           | 46   | 47   |                                            |
| 2021-05-22 06:55:00 | Oil Temperature                        | 116  | 115  |                                            |
| 2021-05-22 06:55:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-22 06:55:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-22 06:55:00 | Temperature Static Air                 |      |      | -26.5                                      |
| 2021-05-22 06:55:00 | Throttle Lever Angle                   | 62.7 | 62.8 |                                            |
| 2021-05-22 06:55:00 | Time GE Received                       |      |      | 08:08:53                                   |
| 2021-05-22 06:55:00 | Time Of Report                         |      |      | 06:55:00                                   |
| 2021-05-22 06:55:00 | Total Air Temperature Aircraft         |      |      | 1.5                                        |
| 2021-05-22 06:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 06:55:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 06:55:00 | Vibration N1 #1 Bearing                | 0.45 | 0.2  |                                            |
| 2021-05-22 06:55:00 | Vibration N1 Phase Angle #1 Bearing    | 39   | 97   |                                            |
| 2021-05-22 06:55:00 | Vibration N1 Phase Angle Turbine Frame | 53   | 114  |                                            |
| 2021-05-22 06:55:00 | Vibration N1 Turbine Frame             | 0.6  | 0.46 |                                            |
| 2021-05-22 06:55:00 | Vibration N2 #1 Bearing                | 0.11 | 0.23 |                                            |
| 2021-05-22 06:55:00 | Vibration N2 Turbine Frame             | 0.1  | 0.07 |                                            |
| 2021-05-22 03:34:00 | (1)                                    |      | 62   | 21                                         |
| 2021-05-22 03:34:00 | (1)                                    |      |      | 733                                        |
| 2021-05-22 03:34:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-22 03:34:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-22 03:34:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-22 03:34:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-22 03:34:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-22 03:34:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-22 03:34:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-22 03:34:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-22 03:34:00 | Air Speed Indicated                    |      |      | 256.7                                      |
| 2021-05-22 03:34:00 | Aircraft Gross Weight                  |      |      | 63593                                      |
| 2021-05-22 03:34:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-22 03:34:00 | Altitude                               |      |      | 35102                                      |
| 2021-05-22 03:34:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-22 03:34:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-22 03:34:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-22 03:34:00 | Core Speed                             | 93.5 | 93.2 |                                            |
| 2021-05-22 03:34:00 | Date GE Received                       |      |      | 05/22/2021                                 |
| 2021-05-22 03:34:00 | Date of Report                         |      |      | 05/22/2021                                 |
| 2021-05-22 03:34:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-22 03:34:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-22 03:34:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-05-22 03:34:00 | EGT Exhaust Gas Temperature            | 659  | 667  |                                            |
| 2021-05-22 03:34:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-22 03:34:00 | Flight Counter                         |      |      | 2230                                       |
| 2021-05-22 03:34:00 | Flight Number ACARS                    |      |      | 5733                                       |
| 2021-05-22 03:34:00 | Flight Number ACMS                     |      |      | 5733                                       |
| 2021-05-22 03:34:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-22 03:34:00 | Fuel Flow                              | 1154 | 1145 |                                            |
| 2021-05-22 03:34:00 | Ground Speed                           |      |      | 442                                        |
| 2021-05-22 03:34:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-22 03:34:00 | Leg                                    |      |      | 1                                          |
| 2021-05-22 03:34:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-05-22 03:34:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-22 03:34:00 | N1 Indicated Fan Speed                 | 88   | 88   |                                            |
| 2021-05-22 03:34:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-22 03:34:00 | Oil Temperature                        | 114  | 112  |                                            |
| 2021-05-22 03:34:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-22 03:34:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-22 03:34:00 | Temperature Static Air                 |      |      | -39.5                                      |
| 2021-05-22 03:34:00 | Throttle Lever Angle                   | 62.1 | 62   |                                            |
| 2021-05-22 03:34:00 | Time GE Received                       |      |      | 04:25:33                                   |
| 2021-05-22 03:34:00 | Time Of Report                         |      |      | 03:34:00                                   |
| 2021-05-22 03:34:00 | Total Air Temperature Aircraft         |      |      | -12.3                                      |
| 2021-05-22 03:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 03:34:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-22 03:34:00 | Vibration N1 #1 Bearing                | 0.4  | 0.12 |                                            |
| 2021-05-22 03:34:00 | Vibration N1 Phase Angle #1 Bearing    | 23   | 92   |                                            |
| 2021-05-22 03:34:00 | Vibration N1 Phase Angle Turbine Frame | 39   | 107  |                                            |
| 2021-05-22 03:34:00 | Vibration N1 Turbine Frame             | 1.04 | 0.36 |                                            |
| 2021-05-22 03:34:00 | Vibration N2 #1 Bearing                | 0.13 | 0.09 |                                            |
| 2021-05-22 03:34:00 | Vibration N2 Turbine Frame             | 0.07 | 0.09 |                                            |
| 2021-05-21 15:00:00 | (1)                                    |      | 60.7 | 21                                         |
| 2021-05-21 15:00:00 | (1)                                    |      |      | 130                                        |
| 2021-05-21 15:00:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-21 15:00:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-21 15:00:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-21 15:00:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-21 15:00:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-21 15:00:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-21 15:00:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-21 15:00:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-21 15:00:00 | Air Speed Indicated                    |      |      | 266.5                                      |
| 2021-05-21 15:00:00 | Aircraft Gross Weight                  |      |      | 52344                                      |
| 2021-05-21 15:00:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-21 15:00:00 | Altitude                               |      |      | 33001                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-21 15:00:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-21 15:00:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-21 15:00:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-21 15:00:00 | Core Speed                             | 93.1 | 92.8 |                                            |
| 2021-05-21 15:00:00 | Date GE Received                       |      |      | 05/21/2021                                 |
| 2021-05-21 15:00:00 | Date of Report                         |      |      | 05/21/2021                                 |
| 2021-05-21 15:00:00 | Departure Station                      |      |      | VLV                                        |
| 2021-05-21 15:00:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-21 15:00:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-21 15:00:00 | EGT Exhaust Gas Temperature            | 642  | 655  |                                            |
| 2021-05-21 15:00:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-21 15:00:00 | Flight Counter                         |      |      | 2629                                       |
| 2021-05-21 15:00:00 | Flight Number ACARS                    |      |      | 7130                                       |
| 2021-05-21 15:00:00 | Flight Number ACMS                     |      |      | 7130                                       |
| 2021-05-21 15:00:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-21 15:00:00 | Fuel Flow                              | 1137 | 1138 |                                            |
| 2021-05-21 15:00:00 | Ground Speed                           |      |      | 450.3                                      |
| 2021-05-21 15:00:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-21 15:00:00 | Leg                                    |      |      | 1                                          |
| 2021-05-21 15:00:00 | Mach Number                            |      |      | 0.754                                      |
| 2021-05-21 15:00:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-21 15:00:00 | N1 Indicated Fan Speed                 | 85.8 | 85.8 |                                            |
| 2021-05-21 15:00:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-21 15:00:00 | Oil Temperature                        | 115  | 113  |                                            |
| 2021-05-21 15:00:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-21 15:00:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-21 15:00:00 | Temperature Static Air                 |      |      | -34.8                                      |
| 2021-05-21 15:00:00 | Throttle Lever Angle                   | 60.7 | 60.7 |                                            |
| 2021-05-21 15:00:00 | Time GE Received                       |      |      | 15:53:38                                   |
| 2021-05-21 15:00:00 | Time Of Report                         |      |      | 15:00:00                                   |
| 2021-05-21 15:00:00 | Total Air Temperature Aircraft         |      |      | -7.8                                       |
| 2021-05-21 15:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-21 15:00:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-21 15:00:00 | Vibration N1 #1 Bearing                | 0.36 | 0.15 |                                            |
| 2021-05-21 15:00:00 | Vibration N1 Phase Angle #1 Bearing    | 0    | 67   |                                            |
| 2021-05-21 15:00:00 | Vibration N1 Phase Angle Turbine Frame | 38   | 91   |                                            |
| 2021-05-21 15:00:00 | Vibration N1 Turbine Frame             | 0.68 | 0.4  |                                            |
| 2021-05-21 15:00:00 | Vibration N2 #1 Bearing                | 0.08 | 0.11 |                                            |
| 2021-05-21 15:00:00 | Vibration N2 Turbine Frame             | 0.06 | 0.13 |                                            |
| 2021-05-21 12:42:00 | (1)                                    |      | 61.3 | 21                                         |
| 2021-05-21 12:42:00 | (1)                                    |      |      | 129                                        |
| 2021-05-21 12:42:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-21 12:42:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-21 12:42:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-21 12:42:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-21 12:42:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-21 12:42:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-21 12:42:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-21 12:42:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-21 12:42:00 | Air Speed Indicated                    |      |      | 270.9                                      |
| 2021-05-21 12:42:00 | Aircraft Gross Weight                  |      |      | 56971                                      |
| 2021-05-21 12:42:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-21 12:42:00 | Altitude                               |      |      | 32095                                      |
| 2021-05-21 12:42:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-21 12:42:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-21 12:42:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-21 12:42:00 | Core Speed                             | 93.6 | 93.4 |                                            |
| 2021-05-21 12:42:00 | Date GE Received                       |      |      | 05/21/2021                                 |
| 2021-05-21 12:42:00 | Date of Report                         |      |      | 05/21/2021                                 |
| 2021-05-21 12:42:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-21 12:42:00 | Destination Station                    |      |      | VLV                                        |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-21 12:42:00 | Downlink Ground Station                |      |      | CNX                                        |
| 2021-05-21 12:42:00 | EGT Exhaust Gas Temperature            | 650  | 661  |                                            |
| 2021-05-21 12:42:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-21 12:42:00 | Flight Counter                         |      |      | 561                                        |
| 2021-05-21 12:42:00 | Flight Number ACARS                    |      |      | 7129                                       |
| 2021-05-21 12:42:00 | Flight Number ACMS                     |      |      | 7129                                       |
| 2021-05-21 12:42:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-21 12:42:00 | Fuel Flow                              | 1186 | 1189 |                                            |
| 2021-05-21 12:42:00 | Ground Speed                           |      |      | 456.5                                      |
| 2021-05-21 12:42:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-21 12:42:00 | Leg                                    |      |      | 1                                          |
| 2021-05-21 12:42:00 | Mach Number                            |      |      | 0.751                                      |
| 2021-05-21 12:42:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-21 12:42:00 | N1 Indicated Fan Speed                 | 86.3 | 86.3 |                                            |
| 2021-05-21 12:42:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-05-21 12:42:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-05-21 12:42:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-21 12:42:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-21 12:42:00 | Temperature Static Air                 |      |      | -31.5                                      |
| 2021-05-21 12:42:00 | Throttle Lever Angle                   | 61.2 | 61.3 |                                            |
| 2021-05-21 12:42:00 | Time GE Received                       |      |      | 13:23:21                                   |
| 2021-05-21 12:42:00 | Time Of Report                         |      |      | 12:42:00                                   |
| 2021-05-21 12:42:00 | Total Air Temperature Aircraft         |      |      | -4.3                                       |
| 2021-05-21 12:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-21 12:42:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-21 12:42:00 | Vibration N1 #1 Bearing                | 0.31 | 0.16 |                                            |
| 2021-05-21 12:42:00 | Vibration N1 Phase Angle #1 Bearing    | 7    | 78   |                                            |
| 2021-05-21 12:42:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 98   |                                            |
| 2021-05-21 12:42:00 | Vibration N1 Turbine Frame             | 0.61 | 0.36 |                                            |
| 2021-05-21 12:42:00 | Vibration N2 #1 Bearing                | 0.07 | 0.13 |                                            |
| 2021-05-21 12:42:00 | Vibration N2 Turbine Frame             | 0.07 | 0.13 |                                            |
| 2021-05-21 01:40:00 | (1)                                    |      | 59.9 | 21                                         |
| 2021-05-21 01:40:00 | (1)                                    |      |      | 840                                        |
| 2021-05-21 01:40:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-21 01:40:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-21 01:40:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-21 01:40:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-21 01:40:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-21 01:40:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-21 01:40:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-21 01:40:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-21 01:40:00 | Air Speed Indicated                    |      |      | 294.1                                      |
| 2021-05-21 01:40:00 | Aircraft Gross Weight                  |      |      | 64228                                      |
| 2021-05-21 01:40:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-21 01:40:00 | Altitude                               |      |      | 23600                                      |
| 2021-05-21 01:40:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-21 01:40:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-21 01:40:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-21 01:40:00 | Core Speed                             | 93.4 | 93.3 |                                            |
| 2021-05-21 01:40:00 | Date GE Received                       |      |      | 05/21/2021                                 |
| 2021-05-21 01:40:00 | Date of Report                         |      |      | 05/21/2021                                 |
| 2021-05-21 01:40:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-05-21 01:40:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-21 01:40:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-21 01:40:00 | EGT Exhaust Gas Temperature            | 631  | 632  |                                            |
| 2021-05-21 01:40:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-21 01:40:00 | Flight Counter                         |      |      | 2400                                       |
| 2021-05-21 01:40:00 | Flight Number ACARS                    |      |      | 5840                                       |
| 2021-05-21 01:40:00 | Flight Number ACMS                     |      |      | 5840                                       |
| 2021-05-21 01:40:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-21 01:40:00 | Fuel Flow                              | 1385 | 1378 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-21 01:40:00 | Ground Speed                           |      |      | 390.4                                      |
| 2021-05-21 01:40:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-21 01:40:00 | Leg                                    |      |      | 1                                          |
| 2021-05-21 01:40:00 | Mach Number                            |      |      | 0.685                                      |
| 2021-05-21 01:40:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-21 01:40:00 | N1 Indicated Fan Speed                 | 83.1 | 83   |                                            |
| 2021-05-21 01:40:00 | Oil Pressure                           | 49   | 51   |                                            |
| 2021-05-21 01:40:00 | Oil Temperature                        | 106  | 105  |                                            |
| 2021-05-21 01:40:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-21 01:40:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-21 01:40:00 | Temperature Static Air                 |      |      | -16.5                                      |
| 2021-05-21 01:40:00 | Throttle Lever Angle                   | 59.9 | 59.9 |                                            |
| 2021-05-21 01:40:00 | Time GE Received                       |      |      | 03:22:30                                   |
| 2021-05-21 01:40:00 | Time Of Report                         |      |      | 01:40:00                                   |
| 2021-05-21 01:40:00 | Total Air Temperature Aircraft         |      |      | 7.8                                        |
| 2021-05-21 01:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-21 01:40:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-21 01:40:00 | Vibration N1 #1 Bearing                | 0.15 | 0.17 |                                            |
| 2021-05-21 01:40:00 | Vibration N1 Phase Angle #1 Bearing    | 33   | 112  |                                            |
| 2021-05-21 01:40:00 | Vibration N1 Phase Angle Turbine Frame | 10   | 114  |                                            |
| 2021-05-21 01:40:00 | Vibration N1 Turbine Frame             | 0.61 | 0.25 |                                            |
| 2021-05-21 01:40:00 | Vibration N2 #1 Bearing                | 0.01 | 0.07 |                                            |
| 2021-05-21 01:40:00 | Vibration N2 Turbine Frame             | 0.04 | 0.07 |                                            |
| 2021-05-20 15:13:00 | (1)                                    |      | 59.4 | 21                                         |
| 2021-05-20 15:13:00 | (1)                                    |      |      | 839                                        |
| 2021-05-20 15:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-20 15:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-20 15:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-20 15:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-20 15:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-20 15:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-20 15:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-20 15:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-20 15:13:00 | Air Speed Indicated                    |      |      | 282.9                                      |
| 2021-05-20 15:13:00 | Aircraft Gross Weight                  |      |      | 63793                                      |
| 2021-05-20 15:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-20 15:13:00 | Altitude                               |      |      | 26600                                      |
| 2021-05-20 15:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-20 15:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-20 15:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-20 15:13:00 | Core Speed                             | 93.1 | 93   |                                            |
| 2021-05-20 15:13:00 | Date GE Received                       |      |      | 05/20/2021                                 |
| 2021-05-20 15:13:00 | Date of Report                         |      |      | 05/20/2021                                 |
| 2021-05-20 15:13:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-20 15:13:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-05-20 15:13:00 | Downlink Ground Station                |      |      | NNY                                        |
| 2021-05-20 15:13:00 | EGT Exhaust Gas Temperature            | 623  | 623  |                                            |
| 2021-05-20 15:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-20 15:13:00 | Flight Counter                         |      |      | 3027                                       |
| 2021-05-20 15:13:00 | Flight Number ACARS                    |      |      | 5839                                       |
| 2021-05-20 15:13:00 | Flight Number ACMS                     |      |      | 5839                                       |
| 2021-05-20 15:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-20 15:13:00 | Fuel Flow                              | 1265 | 1254 |                                            |
| 2021-05-20 15:13:00 | Ground Speed                           |      |      | 468.4                                      |
| 2021-05-20 15:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-20 15:13:00 | Leg                                    |      |      | 1                                          |
| 2021-05-20 15:13:00 | Mach Number                            |      |      | 0.7                                        |
| 2021-05-20 15:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-20 15:13:00 | N1 Indicated Fan Speed                 | 83.1 | 83.1 |                                            |
| 2021-05-20 15:13:00 | Oil Pressure                           | 46   | 50   |                                            |
| 2021-05-20 15:13:00 | Oil Temperature                        | 107  | 106  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-20 15:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-20 15:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-20 15:13:00 | Temperature Static Air                 |      |      | -23.5                                      |
| 2021-05-20 15:13:00 | Throttle Lever Angle                   | 59.4 | 59.4 |                                            |
| 2021-05-20 15:13:00 | Time GE Received                       |      |      | 15:43:59                                   |
| 2021-05-20 15:13:00 | Time Of Report                         |      |      | 15:13:00                                   |
| 2021-05-20 15:13:00 | Total Air Temperature Aircraft         |      |      | 1                                          |
| 2021-05-20 15:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-20 15:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-20 15:13:00 | Vibration N1 #1 Bearing                | 0.14 | 0.12 |                                            |
| 2021-05-20 15:13:00 | Vibration N1 Phase Angle #1 Bearing    | 25   | 98   |                                            |
| 2021-05-20 15:13:00 | Vibration N1 Phase Angle Turbine Frame | 7    | 87   |                                            |
| 2021-05-20 15:13:00 | Vibration N1 Turbine Frame             | 0.46 | 0.27 |                                            |
| 2021-05-20 15:13:00 | Vibration N2 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-05-20 15:13:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-05-20 01:43:00 | (1)                                    |      | 56.4 | 21                                         |
| 2021-05-20 01:43:00 | (1)                                    |      |      | 840                                        |
| 2021-05-20 01:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-20 01:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-20 01:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-20 01:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-20 01:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-20 01:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-20 01:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-20 01:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-20 01:43:00 | Air Speed Indicated                    |      |      | 282.9                                      |
| 2021-05-20 01:43:00 | Aircraft Gross Weight                  |      |      | 64899                                      |
| 2021-05-20 01:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-20 01:43:00 | Altitude                               |      |      | 19708                                      |
| 2021-05-20 01:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-20 01:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-20 01:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-20 01:43:00 | Core Speed                             | 90.1 | 90   |                                            |
| 2021-05-20 01:43:00 | Date GE Received                       |      |      | 05/20/2021                                 |
| 2021-05-20 01:43:00 | Date of Report                         |      |      | 05/20/2021                                 |
| 2021-05-20 01:43:00 | Departure Station                      |      |      | ZHC                                        |
| 2021-05-20 01:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-20 01:43:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-20 01:43:00 | EGT Exhaust Gas Temperature            | 580  | 581  |                                            |
| 2021-05-20 01:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-20 01:43:00 | Flight Counter                         |      |      | 1967                                       |
| 2021-05-20 01:43:00 | Flight Number ACARS                    |      |      | 5840                                       |
| 2021-05-20 01:43:00 | Flight Number ACMS                     |      |      | 5840                                       |
| 2021-05-20 01:43:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-20 01:43:00 | Fuel Flow                              | 1299 | 1282 |                                            |
| 2021-05-20 01:43:00 | Ground Speed                           |      |      | 339.5                                      |
| 2021-05-20 01:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-20 01:43:00 | Leg                                    |      |      | 1                                          |
| 2021-05-20 01:43:00 | Mach Number                            |      |      | 0.613                                      |
| 2021-05-20 01:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-20 01:43:00 | N1 Indicated Fan Speed                 | 77.1 | 77   |                                            |
| 2021-05-20 01:43:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-05-20 01:43:00 | Oil Temperature                        | 101  | 100  |                                            |
| 2021-05-20 01:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-20 01:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-20 01:43:00 | Temperature Static Air                 |      |      | -17.5                                      |
| 2021-05-20 01:43:00 | Throttle Lever Angle                   | 56.4 | 56.4 |                                            |
| 2021-05-20 01:43:00 | Time GE Received                       |      |      | 03:42:14                                   |
| 2021-05-20 01:43:00 | Time Of Report                         |      |      | 01:43:00                                   |
| 2021-05-20 01:43:00 | Total Air Temperature Aircraft         |      |      | 1.8                                        |
| 2021-05-20 01:43:00 | Unknown parameter/formatting character |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-20 01:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-20 01:43:00 | Vibration N1 #1 Bearing                | 0.3  | 0.16 |                                            |
| 2021-05-20 01:43:00 | Vibration N1 Phase Angle #1 Bearing    | 344  | 117  |                                            |
| 2021-05-20 01:43:00 | Vibration N1 Phase Angle Turbine Frame | 355  | 77   |                                            |
| 2021-05-20 01:43:00 | Vibration N1 Turbine Frame             | 0.35 | 0.19 |                                            |
| 2021-05-20 01:43:00 | Vibration N2 #1 Bearing                | 0.01 | 0.24 |                                            |
| 2021-05-20 01:43:00 | Vibration N2 Turbine Frame             | 0    | 0.1  |                                            |
| 2021-05-19 14:05:00 | (1)                                    |      | 62.1 | 21                                         |
| 2021-05-19 14:05:00 | (1)                                    |      |      | 839                                        |
| 2021-05-19 14:05:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-19 14:05:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-19 14:05:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-19 14:05:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-19 14:05:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-19 14:05:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-19 14:05:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-19 14:05:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-19 14:05:00 | Air Speed Indicated                    |      |      | 250.9                                      |
| 2021-05-19 14:05:00 | Aircraft Gross Weight                  |      |      | 64972                                      |
| 2021-05-19 14:05:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-19 14:05:00 | Altitude                               |      |      | 35097                                      |
| 2021-05-19 14:05:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-19 14:05:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-19 14:05:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-19 14:05:00 | Core Speed                             | 93.3 | 93.1 |                                            |
| 2021-05-19 14:05:00 | Date GE Received                       |      |      | 05/19/2021                                 |
| 2021-05-19 14:05:00 | Date of Report                         |      |      | 05/19/2021                                 |
| 2021-05-19 14:05:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-19 14:05:00 | Destination Station                    |      |      | ZHC                                        |
| 2021-05-19 14:05:00 | Downlink Ground Station                |      |      | NNY                                        |
| 2021-05-19 14:05:00 | EGT Exhaust Gas Temperature            | 662  | 668  |                                            |
| 2021-05-19 14:05:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-19 14:05:00 | Flight Counter                         |      |      | 2005                                       |
| 2021-05-19 14:05:00 | Flight Number ACARS                    |      |      | 5839                                       |
| 2021-05-19 14:05:00 | Flight Number ACMS                     |      |      | 5839                                       |
| 2021-05-19 14:05:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-19 14:05:00 | Fuel Flow                              | 1168 | 1166 |                                            |
| 2021-05-19 14:05:00 | Ground Speed                           |      |      | 417.1                                      |
| 2021-05-19 14:05:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-19 14:05:00 | Leg                                    |      |      | 1                                          |
| 2021-05-19 14:05:00 | Mach Number                            |      |      | 0.745                                      |
| 2021-05-19 14:05:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-19 14:05:00 | N1 Indicated Fan Speed                 | 88.2 | 88.2 |                                            |
| 2021-05-19 14:05:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-19 14:05:00 | Oil Temperature                        | 111  | 109  |                                            |
| 2021-05-19 14:05:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-19 14:05:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-19 14:05:00 | Temperature Static Air                 |      |      | -40.8                                      |
| 2021-05-19 14:05:00 | Throttle Lever Angle                   | 62.1 | 62.1 |                                            |
| 2021-05-19 14:05:00 | Time GE Received                       |      |      | 15:21:17                                   |
| 2021-05-19 14:05:00 | Time Of Report                         |      |      | 14:05:00                                   |
| 2021-05-19 14:05:00 | Total Air Temperature Aircraft         |      |      | -15                                        |
| 2021-05-19 14:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-19 14:05:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-19 14:05:00 | Vibration N1 #1 Bearing                | 0.18 | 0.11 |                                            |
| 2021-05-19 14:05:00 | Vibration N1 Phase Angle #1 Bearing    | 12   | 110  |                                            |
| 2021-05-19 14:05:00 | Vibration N1 Phase Angle Turbine Frame | 31   | 114  |                                            |
| 2021-05-19 14:05:00 | Vibration N1 Turbine Frame             | 0.73 | 0.29 |                                            |
| 2021-05-19 14:05:00 | Vibration N2 #1 Bearing                | 0.09 | 0.05 |                                            |
| 2021-05-19 14:05:00 | Vibration N2 Turbine Frame             | 0.03 | 0.06 |                                            |
| 2021-05-19 04:24:00 | (1)                                    |      | 54   | 21                                         |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-19 04:24:00 | (1)                                    |      |      | 766                                        |
| 2021-05-19 04:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-19 04:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-19 04:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-19 04:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-19 04:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-19 04:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-19 04:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-19 04:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-19 04:24:00 | Air Speed Indicated                    |      |      | 248.4                                      |
| 2021-05-19 04:24:00 | Aircraft Gross Weight                  |      |      | 61361                                      |
| 2021-05-19 04:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-19 04:24:00 | Altitude                               |      |      | 19701                                      |
| 2021-05-19 04:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-19 04:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-19 04:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-19 04:24:00 | Core Speed                             | 88.9 | 88.8 |                                            |
| 2021-05-19 04:24:00 | Date GE Received                       |      |      | 05/19/2021                                 |
| 2021-05-19 04:24:00 | Date of Report                         |      |      | 05/19/2021                                 |
| 2021-05-19 04:24:00 | Departure Station                      |      |      | ZBY                                        |
| 2021-05-19 04:24:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-19 04:24:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-19 04:24:00 | EGT Exhaust Gas Temperature            | 570  | 579  |                                            |
| 2021-05-19 04:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-19 04:24:00 | Flight Counter                         |      |      | 500                                        |
| 2021-05-19 04:24:00 | Flight Number ACARS                    |      |      | 5766                                       |
| 2021-05-19 04:24:00 | Flight Number ACMS                     |      |      | 5766                                       |
| 2021-05-19 04:24:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-05-19 04:24:00 | Fuel Flow                              | 1111 | 1123 |                                            |
| 2021-05-19 04:24:00 | Ground Speed                           |      |      | 329                                        |
| 2021-05-19 04:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-19 04:24:00 | Leg                                    |      |      | 1                                          |
| 2021-05-19 04:24:00 | Mach Number                            |      |      | 0.541                                      |
| 2021-05-19 04:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-19 04:24:00 | N1 Indicated Fan Speed                 | 73.5 | 73.5 |                                            |
| 2021-05-19 04:24:00 | Oil Pressure                           | 45   | 47   |                                            |
| 2021-05-19 04:24:00 | Oil Temperature                        | 105  | 104  |                                            |
| 2021-05-19 04:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-19 04:24:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-19 04:24:00 | Temperature Static Air                 |      |      | -13.2                                      |
| 2021-05-19 04:24:00 | Throttle Lever Angle                   | 54   | 54   |                                            |
| 2021-05-19 04:24:00 | Time GE Received                       |      |      | 06:06:26                                   |
| 2021-05-19 04:24:00 | Time Of Report                         |      |      | 04:24:00                                   |
| 2021-05-19 04:24:00 | Total Air Temperature Aircraft         |      |      | 1.8                                        |
| 2021-05-19 04:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-19 04:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-19 04:24:00 | Vibration N1 #1 Bearing                | 0.53 | 0.19 |                                            |
| 2021-05-19 04:24:00 | Vibration N1 Phase Angle #1 Bearing    | 353  | 90   |                                            |
| 2021-05-19 04:24:00 | Vibration N1 Phase Angle Turbine Frame | 355  | 86   |                                            |
| 2021-05-19 04:24:00 | Vibration N1 Turbine Frame             | 0.6  | 0.26 |                                            |
| 2021-05-19 04:24:00 | Vibration N2 #1 Bearing                | 0.06 | 0.14 |                                            |
| 2021-05-19 04:24:00 | Vibration N2 Turbine Frame             | 0    | 0.02 |                                            |
| 2021-05-19 02:03:00 | (1)                                    |      | 57.9 | 21                                         |
| 2021-05-19 02:03:00 | (1)                                    |      |      | 765                                        |
| 2021-05-19 02:03:00 | A/I Valve Position Nacelle             | 1    | 1    |                                            |
| 2021-05-19 02:03:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-19 02:03:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-19 02:03:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-19 02:03:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-19 02:03:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-19 02:03:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-19 02:03:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-19 02:03:00 | Air Speed Indicated                    |      |      | 278.7                                      |
| 2021-05-19 02:03:00 | Aircraft Gross Weight                  |      |      | 55265                                      |
| 2021-05-19 02:03:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-19 02:03:00 | Altitude                               |      |      | 24602                                      |
| 2021-05-19 02:03:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-19 02:03:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-19 02:03:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-19 02:03:00 | Core Speed                             | 91.7 | 91.4 |                                            |
| 2021-05-19 02:03:00 | Date GE Received                       |      |      | 05/19/2021                                 |
| 2021-05-19 02:03:00 | Date of Report                         |      |      | 05/19/2021                                 |
| 2021-05-19 02:03:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-19 02:03:00 | Destination Station                    |      |      | ZBY                                        |
| 2021-05-19 02:03:00 | Downlink Ground Station                |      |      | LYA                                        |
| 2021-05-19 02:03:00 | EGT Exhaust Gas Temperature            | 603  | 616  |                                            |
| 2021-05-19 02:03:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-19 02:03:00 | Flight Counter                         |      |      | 2477                                       |
| 2021-05-19 02:03:00 | Flight Number ACARS                    |      |      | 5765                                       |
| 2021-05-19 02:03:00 | Flight Number ACMS                     |      |      | 5765                                       |
| 2021-05-19 02:03:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-19 02:03:00 | Fuel Flow                              | 1230 | 1250 |                                            |
| 2021-05-19 02:03:00 | Ground Speed                           |      |      | 430.3                                      |
| 2021-05-19 02:03:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-19 02:03:00 | Leg                                    |      |      | 1                                          |
| 2021-05-19 02:03:00 | Mach Number                            |      |      | 0.664                                      |
| 2021-05-19 02:03:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-19 02:03:00 | N1 Indicated Fan Speed                 | 80   | 80   |                                            |
| 2021-05-19 02:03:00 | Oil Pressure                           | 48   | 51   |                                            |
| 2021-05-19 02:03:00 | Oil Temperature                        | 95   | 94   |                                            |
| 2021-05-19 02:03:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-19 02:03:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-19 02:03:00 | Temperature Static Air                 |      |      | -23.8                                      |
| 2021-05-19 02:03:00 | Throttle Lever Angle                   | 57.8 | 57.9 |                                            |
| 2021-05-19 02:03:00 | Time GE Received                       |      |      | 02:11:26                                   |
| 2021-05-19 02:03:00 | Time Of Report                         |      |      | 02:03:00                                   |
| 2021-05-19 02:03:00 | Total Air Temperature Aircraft         |      |      | -1.5                                       |
| 2021-05-19 02:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-19 02:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-19 02:03:00 | Vibration N1 #1 Bearing                | 0.17 | 0.15 |                                            |
| 2021-05-19 02:03:00 | Vibration N1 Phase Angle #1 Bearing    | 1    | 75   |                                            |
| 2021-05-19 02:03:00 | Vibration N1 Phase Angle Turbine Frame | 15   | 72   |                                            |
| 2021-05-19 02:03:00 | Vibration N1 Turbine Frame             | 0.26 | 0.22 |                                            |
| 2021-05-19 02:03:00 | Vibration N2 #1 Bearing                | 0.03 | 0.1  |                                            |
| 2021-05-19 02:03:00 | Vibration N2 Turbine Frame             | 0.03 | 0.11 |                                            |
| 2021-05-18 14:45:00 | (1)                                    |      |      | 21                                         |
| 2021-05-18 14:45:00 | (1)                                    |      |      | 264                                        |
| 2021-05-18 14:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-18 14:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-18 14:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-18 14:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-18 14:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-18 14:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-18 14:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-18 14:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-18 14:45:00 | Air Speed Indicated                    |      |      | 261.3                                      |
| 2021-05-18 14:45:00 | Aircraft Gross Weight                  |      |      | 61017                                      |
| 2021-05-18 14:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-18 14:45:00 | Altitude                               |      |      | 25602                                      |
| 2021-05-18 14:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-18 14:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-18 14:45:00 | Carrier code (two character)           |      |      | MU                                         |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-18 14:45:00 | Core Speed                             | 92.8 | 92.5 |                                            |
| 2021-05-18 14:45:00 | Date GE Received                       |      |      | 05/18/2021                                 |
| 2021-05-18 14:45:00 | Date of Report                         |      |      | 05/18/2021                                 |
| 2021-05-18 14:45:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-05-18 14:45:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-18 14:45:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-18 14:45:00 | EGT Exhaust Gas Temperature            | 627  | 633  |                                            |
| 2021-05-18 14:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-18 14:45:00 | Flight Counter                         |      |      | 594                                        |
| 2021-05-18 14:45:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-05-18 14:45:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-05-18 14:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-18 14:45:00 | Fuel Flow                              | 1196 | 1197 |                                            |
| 2021-05-18 14:45:00 | Ground Speed                           |      |      | 384.5                                      |
| 2021-05-18 14:45:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-18 14:45:00 | Leg                                    |      |      | 2                                          |
| 2021-05-18 14:45:00 | Mach Number                            |      |      | 0.637                                      |
| 2021-05-18 14:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-18 14:45:00 | N1 Indicated Fan Speed                 | 81.6 | 81.6 |                                            |
| 2021-05-18 14:45:00 | Oil Pressure                           | 47   | 50   |                                            |
| 2021-05-18 14:45:00 | Oil Temperature                        | 99   | 98   |                                            |
| 2021-05-18 14:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-18 14:45:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-18 14:45:00 | Temperature Static Air                 |      |      | -16.3                                      |
| 2021-05-18 14:45:00 | Throttle Lever Angle                   | 58.8 | 58.8 |                                            |
| 2021-05-18 14:45:00 | Time GE Received                       |      |      | 14:58:59                                   |
| 2021-05-18 14:45:00 | Time Of Report                         |      |      | 14:45:00                                   |
| 2021-05-18 14:45:00 | Total Air Temperature Aircraft         |      |      | 4.5                                        |
| 2021-05-18 14:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 14:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 14:45:00 | Vibration N1 #1 Bearing                | 0.09 | 0.14 |                                            |
| 2021-05-18 14:45:00 | Vibration N1 Phase Angle #1 Bearing    | 22   | 73   |                                            |
| 2021-05-18 14:45:00 | Vibration N1 Phase Angle Turbine Frame | 347  | 77   |                                            |
| 2021-05-18 14:45:00 | Vibration N1 Turbine Frame             | 0.37 | 0.26 |                                            |
| 2021-05-18 14:45:00 | Vibration N2 #1 Bearing                | 0.02 | 0.08 |                                            |
| 2021-05-18 14:45:00 | Vibration N2 Turbine Frame             | 0.05 | 0.1  |                                            |
| 2021-05-18 10:24:00 | (1)                                    |      | 58.3 | 21                                         |
| 2021-05-18 10:24:00 | (1)                                    |      |      | 264                                        |
| 2021-05-18 10:24:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-18 10:24:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-18 10:24:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-18 10:24:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-18 10:24:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-18 10:24:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-18 10:24:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-18 10:24:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-18 10:24:00 | Air Speed Indicated                    |      |      | 254.7                                      |
| 2021-05-18 10:24:00 | Aircraft Gross Weight                  |      |      | 57969                                      |
| 2021-05-18 10:24:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-18 10:24:00 | Altitude                               |      |      | 32099                                      |
| 2021-05-18 10:24:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-18 10:24:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-18 10:24:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-18 10:24:00 | Core Speed                             | 88.7 | 88.5 |                                            |
| 2021-05-18 10:24:00 | Date GE Received                       |      |      | 05/18/2021                                 |
| 2021-05-18 10:24:00 | Date of Report                         |      |      | 05/18/2021                                 |
| 2021-05-18 10:24:00 | Departure Station                      |      |      | ZYT                                        |
| 2021-05-18 10:24:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-05-18 10:24:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-05-18 10:24:00 | EGT Exhaust Gas Temperature            | 568  | 574  |                                            |
| 2021-05-18 10:24:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-18 10:24:00 | Flight Counter                         |      |      | 788                                        |
| 2021-05-18 10:24:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-05-18 10:24:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-05-18 10:24:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-18 10:24:00 | Fuel Flow                              | 1033 | 1028 |                                            |
| 2021-05-18 10:24:00 | Ground Speed                           |      |      | 389.1                                      |
| 2021-05-18 10:24:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-18 10:24:00 | Leg                                    |      |      | 1                                          |
| 2021-05-18 10:24:00 | Mach Number                            |      |      | 0.712                                      |
| 2021-05-18 10:24:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-18 10:24:00 | N1 Indicated Fan Speed                 | 80.8 | 80.8 |                                            |
| 2021-05-18 10:24:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-05-18 10:24:00 | Oil Temperature                        | 88   | 88   |                                            |
| 2021-05-18 10:24:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-18 10:24:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-18 10:24:00 | Temperature Static Air                 |      |      | -50.5                                      |
| 2021-05-18 10:24:00 | Throttle Lever Angle                   | 58.3 | 58.3 |                                            |
| 2021-05-18 10:24:00 | Time GE Received                       |      |      | 11:27:42                                   |
| 2021-05-18 10:24:00 | Time Of Report                         |      |      | 10:24:00                                   |
| 2021-05-18 10:24:00 | Total Air Temperature Aircraft         |      |      | -28                                        |
| 2021-05-18 10:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 10:24:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 10:24:00 | Vibration N1 #1 Bearing                | 0.21 | 0.16 |                                            |
| 2021-05-18 10:24:00 | Vibration N1 Phase Angle #1 Bearing    | 357  | 111  |                                            |
| 2021-05-18 10:24:00 | Vibration N1 Phase Angle Turbine Frame | 338  | 94   |                                            |
| 2021-05-18 10:24:00 | Vibration N1 Turbine Frame             | 0.34 | 0.24 |                                            |
| 2021-05-18 10:24:00 | Vibration N2 #1 Bearing                | 0.03 | 0.1  |                                            |
| 2021-05-18 10:24:00 | Vibration N2 Turbine Frame             | 0.01 | 0.03 |                                            |
| 2021-05-18 05:49:00 | (1)                                    |      |      | 21                                         |
| 2021-05-18 05:49:00 | (1)                                    |      |      | 263                                        |
| 2021-05-18 05:49:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-18 05:49:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-18 05:49:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-18 05:49:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-18 05:49:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-18 05:49:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-18 05:49:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-18 05:49:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-18 05:49:00 | Air Speed Indicated                    |      |      | 260.6                                      |
| 2021-05-18 05:49:00 | Aircraft Gross Weight                  |      |      | 63557                                      |
| 2021-05-18 05:49:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-18 05:49:00 | Altitude                               |      |      | 33096                                      |
| 2021-05-18 05:49:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-18 05:49:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-18 05:49:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-18 05:49:00 | Core Speed                             | 90.2 | 90   |                                            |
| 2021-05-18 05:49:00 | Date GE Received                       |      |      | 05/18/2021                                 |
| 2021-05-18 05:49:00 | Date of Report                         |      |      | 05/18/2021                                 |
| 2021-05-18 05:49:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-05-18 05:49:00 | Destination Station                    |      |      | ZYT                                        |
| 2021-05-18 05:49:00 | Downlink Ground Station                |      |      | SHE                                        |
| 2021-05-18 05:49:00 | EGT Exhaust Gas Temperature            | 604  | 616  |                                            |
| 2021-05-18 05:49:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-18 05:49:00 | Flight Counter                         |      |      | 759                                        |
| 2021-05-18 05:49:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-05-18 05:49:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-05-18 05:49:00 | Flight Phase ACMS                      |      |      | SCR1                                       |
| 2021-05-18 05:49:00 | Fuel Flow                              | 1111 | 1112 |                                            |
| 2021-05-18 05:49:00 | Ground Speed                           |      |      | 494.9                                      |
| 2021-05-18 05:49:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-18 05:49:00 | Leg                                    |      |      | 2                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-18 05:49:00 | Mach Number                            |      |      | 0.74                                       |
| 2021-05-18 05:49:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-18 05:49:00 | N1 Indicated Fan Speed                 | 83.8 | 83.9 |                                            |
| 2021-05-18 05:49:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-18 05:49:00 | Oil Temperature                        | 106  | 104  |                                            |
| 2021-05-18 05:49:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-18 05:49:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-18 05:49:00 | Temperature Static Air                 |      |      | -47.8                                      |
| 2021-05-18 05:49:00 | Throttle Lever Angle                   | 59.8 | 59.8 |                                            |
| 2021-05-18 05:49:00 | Time GE Received                       |      |      | 07:22:31                                   |
| 2021-05-18 05:49:00 | Time Of Report                         |      |      | 05:49:00                                   |
| 2021-05-18 05:49:00 | Total Air Temperature Aircraft         |      |      | -23.3                                      |
| 2021-05-18 05:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 05:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 05:49:00 | Vibration N1 #1 Bearing                | 0.43 | 0.1  |                                            |
| 2021-05-18 05:49:00 | Vibration N1 Phase Angle #1 Bearing    | 3    | 65   |                                            |
| 2021-05-18 05:49:00 | Vibration N1 Phase Angle Turbine Frame | 20   | 88   |                                            |
| 2021-05-18 05:49:00 | Vibration N1 Turbine Frame             | 0.93 | 0.3  |                                            |
| 2021-05-18 05:49:00 | Vibration N2 #1 Bearing                | 0.07 | 0.21 |                                            |
| 2021-05-18 05:49:00 | Vibration N2 Turbine Frame             | 0.01 | 0.03 |                                            |
| 2021-05-18 02:11:00 | (1)                                    |      |      | 21                                         |
| 2021-05-18 02:11:00 | (1)                                    |      |      | 263                                        |
| 2021-05-18 02:11:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-18 02:11:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-18 02:11:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-18 02:11:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-18 02:11:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-18 02:11:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-18 02:11:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-18 02:11:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-18 02:11:00 | Air Speed Indicated                    |      |      | 282.2                                      |
| 2021-05-18 02:11:00 | Aircraft Gross Weight                  |      |      | 66605                                      |
| 2021-05-18 02:11:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-18 02:11:00 | Altitude                               |      |      | 31106                                      |
| 2021-05-18 02:11:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-18 02:11:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-18 02:11:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-18 02:11:00 | Core Speed                             | 94.3 | 94.3 |                                            |
| 2021-05-18 02:11:00 | Date GE Received                       |      |      | 05/18/2021                                 |
| 2021-05-18 02:11:00 | Date of Report                         |      |      | 05/18/2021                                 |
| 2021-05-18 02:11:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-18 02:11:00 | Destination Station                    |      |      | ZLX                                        |
| 2021-05-18 02:11:00 | Downlink Ground Station                |      |      | XIY                                        |
| 2021-05-18 02:11:00 | EGT Exhaust Gas Temperature            | 657  | 658  |                                            |
| 2021-05-18 02:11:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-18 02:11:00 | Flight Counter                         |      |      | 1581                                       |
| 2021-05-18 02:11:00 | Flight Number ACARS                    |      |      | 2263                                       |
| 2021-05-18 02:11:00 | Flight Number ACMS                     |      |      | 2263                                       |
| 2021-05-18 02:11:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-18 02:11:00 | Fuel Flow                              | 1316 | 1299 |                                            |
| 2021-05-18 02:11:00 | Ground Speed                           |      |      | 467.8                                      |
| 2021-05-18 02:11:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-18 02:11:00 | Leg                                    |      |      | 1                                          |
| 2021-05-18 02:11:00 | Mach Number                            |      |      | 0.764                                      |
| 2021-05-18 02:11:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-18 02:11:00 | N1 Indicated Fan Speed                 | 87.8 | 87.7 |                                            |
| 2021-05-18 02:11:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-05-18 02:11:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-05-18 02:11:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-18 02:11:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-18 02:11:00 | Temperature Static Air                 |      |      | -32                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-18 02:11:00 | Throttle Lever Angle                   | 62.2 | 62.2 |                                            |
| 2021-05-18 02:11:00 | Time GE Received                       |      |      | 03:25:10                                   |
| 2021-05-18 02:11:00 | Time Of Report                         |      |      | 02:11:00                                   |
| 2021-05-18 02:11:00 | Total Air Temperature Aircraft         |      |      | -3.8                                       |
| 2021-05-18 02:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 02:11:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-18 02:11:00 | Vibration N1 #1 Bearing                | 0.45 | 0.25 |                                            |
| 2021-05-18 02:11:00 | Vibration N1 Phase Angle #1 Bearing    | 35   | 98   |                                            |
| 2021-05-18 02:11:00 | Vibration N1 Phase Angle Turbine Frame | 41   | 124  |                                            |
| 2021-05-18 02:11:00 | Vibration N1 Turbine Frame             | 0.62 | 0.5  |                                            |
| 2021-05-18 02:11:00 | Vibration N2 #1 Bearing                | 0.07 | 0.17 |                                            |
| 2021-05-18 02:11:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-05-17 15:23:00 | (1)                                    |      | 61.9 | 21                                         |
| 2021-05-17 15:23:00 | (1)                                    |      |      | 722                                        |
| 2021-05-17 15:23:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-17 15:23:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-17 15:23:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-17 15:23:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-17 15:23:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-17 15:23:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-17 15:23:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-17 15:23:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-17 15:23:00 | Air Speed Indicated                    |      |      | 284                                        |
| 2021-05-17 15:23:00 | Aircraft Gross Weight                  |      |      | 66551                                      |
| 2021-05-17 15:23:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-17 15:23:00 | Altitude                               |      |      | 30103                                      |
| 2021-05-17 15:23:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-17 15:23:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-17 15:23:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-17 15:23:00 | Core Speed                             | 94.3 | 94.2 |                                            |
| 2021-05-17 15:23:00 | Date GE Received                       |      |      | 05/17/2021                                 |
| 2021-05-17 15:23:00 | Date of Report                         |      |      | 05/17/2021                                 |
| 2021-05-17 15:23:00 | Departure Station                      |      |      | ZGH                                        |
| 2021-05-17 15:23:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-17 15:23:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-17 15:23:00 | EGT Exhaust Gas Temperature            | 660  | 659  |                                            |
| 2021-05-17 15:23:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-17 15:23:00 | Flight Counter                         |      |      | 429                                        |
| 2021-05-17 15:23:00 | Flight Number ACARS                    |      |      | 5722                                       |
| 2021-05-17 15:23:00 | Flight Number ACMS                     |      |      | 5722                                       |
| 2021-05-17 15:23:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-17 15:23:00 | Fuel Flow                              | 1333 | 1312 |                                            |
| 2021-05-17 15:23:00 | Ground Speed                           |      |      | 416.4                                      |
| 2021-05-17 15:23:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-17 15:23:00 | Leg                                    |      |      | 1                                          |
| 2021-05-17 15:23:00 | Mach Number                            |      |      | 0.754                                      |
| 2021-05-17 15:23:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-17 15:23:00 | N1 Indicated Fan Speed                 | 87.2 | 87.1 |                                            |
| 2021-05-17 15:23:00 | Oil Pressure                           | 46   | 48   |                                            |
| 2021-05-17 15:23:00 | Oil Temperature                        | 109  | 108  |                                            |
| 2021-05-17 15:23:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-17 15:23:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-17 15:23:00 | Temperature Static Air                 |      |      | -29.2                                      |
| 2021-05-17 15:23:00 | Throttle Lever Angle                   | 61.9 | 61.9 |                                            |
| 2021-05-17 15:23:00 | Time GE Received                       |      |      | 16:17:02                                   |
| 2021-05-17 15:23:00 | Time Of Report                         |      |      | 15:23:00                                   |
| 2021-05-17 15:23:00 | Total Air Temperature Aircraft         |      |      | -1.8                                       |
| 2021-05-17 15:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 15:23:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 15:23:00 | Vibration N1 #1 Bearing                | 0.38 | 0.2  |                                            |
| 2021-05-17 15:23:00 | Vibration N1 Phase Angle #1 Bearing    | 17   | 99   |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-17 15:23:00 | Vibration N1 Phase Angle Turbine Frame | 35   | 110  |                                            |
| 2021-05-17 15:23:00 | Vibration N1 Turbine Frame             | 0.53 | 0.4  |                                            |
| 2021-05-17 15:23:00 | Vibration N2 #1 Bearing                | 0.06 | 0.15 |                                            |
| 2021-05-17 15:23:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-05-17 12:09:00 | (1)                                    |      | 60.3 | 21                                         |
| 2021-05-17 12:09:00 | (1)                                    |      |      | 721                                        |
| 2021-05-17 12:09:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-17 12:09:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-17 12:09:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-17 12:09:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-17 12:09:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-17 12:09:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-17 12:09:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-17 12:09:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-17 12:09:00 | Air Speed Indicated                    |      |      | 282.8                                      |
| 2021-05-17 12:09:00 | Aircraft Gross Weight                  |      |      | 64410                                      |
| 2021-05-17 12:09:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-17 12:09:00 | Altitude                               |      |      | 24602                                      |
| 2021-05-17 12:09:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-17 12:09:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-17 12:09:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-17 12:09:00 | Core Speed                             | 94   | 94   |                                            |
| 2021-05-17 12:09:00 | Date GE Received                       |      |      | 05/17/2021                                 |
| 2021-05-17 12:09:00 | Date of Report                         |      |      | 05/17/2021                                 |
| 2021-05-17 12:09:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-17 12:09:00 | Destination Station                    |      |      | ZGH                                        |
| 2021-05-17 12:09:00 | Downlink Ground Station                |      |      | HHA                                        |
| 2021-05-17 12:09:00 | EGT Exhaust Gas Temperature            | 641  | 641  |                                            |
| 2021-05-17 12:09:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-17 12:09:00 | Flight Counter                         |      |      | 1621                                       |
| 2021-05-17 12:09:00 | Flight Number ACARS                    |      |      | 5721                                       |
| 2021-05-17 12:09:00 | Flight Number ACMS                     |      |      | 5721                                       |
| 2021-05-17 12:09:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-17 12:09:00 | Fuel Flow                              | 1328 | 1311 |                                            |
| 2021-05-17 12:09:00 | Ground Speed                           |      |      | 459.5                                      |
| 2021-05-17 12:09:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-17 12:09:00 | Leg                                    |      |      | 1                                          |
| 2021-05-17 12:09:00 | Mach Number                            |      |      | 0.673                                      |
| 2021-05-17 12:09:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-17 12:09:00 | N1 Indicated Fan Speed                 | 83.3 | 83.3 |                                            |
| 2021-05-17 12:09:00 | Oil Pressure                           | 47   | 49   |                                            |
| 2021-05-17 12:09:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-05-17 12:09:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-17 12:09:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-17 12:09:00 | Temperature Static Air                 |      |      | -13.8                                      |
| 2021-05-17 12:09:00 | Throttle Lever Angle                   | 60.3 | 60.3 |                                            |
| 2021-05-17 12:09:00 | Time GE Received                       |      |      | 13:09:32                                   |
| 2021-05-17 12:09:00 | Time Of Report                         |      |      | 12:09:00                                   |
| 2021-05-17 12:09:00 | Total Air Temperature Aircraft         |      |      | 9.8                                        |
| 2021-05-17 12:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 12:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 12:09:00 | Vibration N1 #1 Bearing                | 0.22 | 0.15 |                                            |
| 2021-05-17 12:09:00 | Vibration N1 Phase Angle #1 Bearing    | 23   | 107  |                                            |
| 2021-05-17 12:09:00 | Vibration N1 Phase Angle Turbine Frame | 15   | 107  |                                            |
| 2021-05-17 12:09:00 | Vibration N1 Turbine Frame             | 0.65 | 0.31 |                                            |
| 2021-05-17 12:09:00 | Vibration N2 #1 Bearing                | 0.03 | 0.14 |                                            |
| 2021-05-17 12:09:00 | Vibration N2 Turbine Frame             | 0.05 | 0.08 |                                            |
| 2021-05-17 07:03:00 | (1)                                    |      | 62   | 21                                         |
| 2021-05-17 07:03:00 | (1)                                    |      |      | 734                                        |
| 2021-05-17 07:03:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-17 07:03:00 | A/I valve position Wing                |      |      | 0                                          |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-17 07:03:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-17 07:03:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-17 07:03:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-17 07:03:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-17 07:03:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-17 07:03:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-17 07:03:00 | Air Speed Indicated                    |      |      | 277.5                                      |
| 2021-05-17 07:03:00 | Aircraft Gross Weight                  |      |      | 62214                                      |
| 2021-05-17 07:03:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-17 07:03:00 | Altitude                               |      |      | 32105                                      |
| 2021-05-17 07:03:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-17 07:03:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-17 07:03:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-17 07:03:00 | Core Speed                             | 94.1 | 94.1 |                                            |
| 2021-05-17 07:03:00 | Date GE Received                       |      |      | 05/17/2021                                 |
| 2021-05-17 07:03:00 | Date of Report                         |      |      | 05/17/2021                                 |
| 2021-05-17 07:03:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-17 07:03:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-17 07:03:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-17 07:03:00 | EGT Exhaust Gas Temperature            | 657  | 657  |                                            |
| 2021-05-17 07:03:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-17 07:03:00 | Flight Counter                         |      |      | 729                                        |
| 2021-05-17 07:03:00 | Flight Number ACARS                    |      |      | 5734                                       |
| 2021-05-17 07:03:00 | Flight Number ACMS                     |      |      | 5734                                       |
| 2021-05-17 07:03:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-17 07:03:00 | Fuel Flow                              | 1270 | 1256 |                                            |
| 2021-05-17 07:03:00 | Ground Speed                           |      |      | 449.2                                      |
| 2021-05-17 07:03:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-17 07:03:00 | Leg                                    |      |      | 1                                          |
| 2021-05-17 07:03:00 | Mach Number                            |      |      | 0.768                                      |
| 2021-05-17 07:03:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-17 07:03:00 | N1 Indicated Fan Speed                 | 87.7 | 87.7 |                                            |
| 2021-05-17 07:03:00 | Oil Pressure                           | 44   | 48   |                                            |
| 2021-05-17 07:03:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-05-17 07:03:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-17 07:03:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-17 07:03:00 | Temperature Static Air                 |      |      | -33.5                                      |
| 2021-05-17 07:03:00 | Throttle Lever Angle                   | 62   | 62   |                                            |
| 2021-05-17 07:03:00 | Time GE Received                       |      |      | 08:31:13                                   |
| 2021-05-17 07:03:00 | Time Of Report                         |      |      | 07:03:00                                   |
| 2021-05-17 07:03:00 | Total Air Temperature Aircraft         |      |      | -5.3                                       |
| 2021-05-17 07:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 07:03:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 07:03:00 | Vibration N1 #1 Bearing                | 0.38 | 0.2  |                                            |
| 2021-05-17 07:03:00 | Vibration N1 Phase Angle #1 Bearing    | 25   | 96   |                                            |
| 2021-05-17 07:03:00 | Vibration N1 Phase Angle Turbine Frame | 41   | 110  |                                            |
| 2021-05-17 07:03:00 | Vibration N1 Turbine Frame             | 0.54 | 0.4  |                                            |
| 2021-05-17 07:03:00 | Vibration N2 #1 Bearing                | 0.07 | 0.13 |                                            |
| 2021-05-17 07:03:00 | Vibration N2 Turbine Frame             | 0.09 | 0.05 |                                            |
| 2021-05-17 04:22:00 | (1)                                    |      | 62   | 21                                         |
| 2021-05-17 04:22:00 | (1)                                    |      |      | 733                                        |
| 2021-05-17 04:22:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-17 04:22:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-17 04:22:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-17 04:22:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-17 04:22:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-17 04:22:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-17 04:22:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-17 04:22:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-17 04:22:00 | Air Speed Indicated                    |      |      | 260.2                                      |
| 2021-05-17 04:22:00 | Aircraft Gross Weight                  |      |      | 64772                                      |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-17 04:22:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-17 04:22:00 | Altitude                               |      |      | 35103                                      |
| 2021-05-17 04:22:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-17 04:22:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-17 04:22:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-17 04:22:00 | Core Speed                             | 93.4 | 93.1 |                                            |
| 2021-05-17 04:22:00 | Date GE Received                       |      |      | 05/17/2021                                 |
| 2021-05-17 04:22:00 | Date of Report                         |      |      | 05/17/2021                                 |
| 2021-05-17 04:22:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-17 04:22:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-17 04:22:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-05-17 04:22:00 | EGT Exhaust Gas Temperature            | 658  | 669  |                                            |
| 2021-05-17 04:22:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-17 04:22:00 | Flight Counter                         |      |      | 2413                                       |
| 2021-05-17 04:22:00 | Flight Number ACARS                    |      |      | 5733                                       |
| 2021-05-17 04:22:00 | Flight Number ACMS                     |      |      | 5733                                       |
| 2021-05-17 04:22:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-17 04:22:00 | Fuel Flow                              | 1163 | 1161 |                                            |
| 2021-05-17 04:22:00 | Ground Speed                           |      |      | 484.1                                      |
| 2021-05-17 04:22:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-17 04:22:00 | Leg                                    |      |      | 1                                          |
| 2021-05-17 04:22:00 | Mach Number                            |      |      | 0.77                                       |
| 2021-05-17 04:22:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-17 04:22:00 | N1 Indicated Fan Speed                 | 88.1 | 88   |                                            |
| 2021-05-17 04:22:00 | Oil Pressure                           | 44   | 47   |                                            |
| 2021-05-17 04:22:00 | Oil Temperature                        | 111  | 109  |                                            |
| 2021-05-17 04:22:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-17 04:22:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-17 04:22:00 | Temperature Static Air                 |      |      | -39.8                                      |
| 2021-05-17 04:22:00 | Throttle Lever Angle                   | 62   | 62   |                                            |
| 2021-05-17 04:22:00 | Time GE Received                       |      |      | 04:51:58                                   |
| 2021-05-17 04:22:00 | Time Of Report                         |      |      | 04:22:00                                   |
| 2021-05-17 04:22:00 | Total Air Temperature Aircraft         |      |      | -12                                        |
| 2021-05-17 04:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 04:22:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-17 04:22:00 | Vibration N1 #1 Bearing                | 0.45 | 0.12 |                                            |
| 2021-05-17 04:22:00 | Vibration N1 Phase Angle #1 Bearing    | 1    | 120  |                                            |
| 2021-05-17 04:22:00 | Vibration N1 Phase Angle Turbine Frame | 26   | 129  |                                            |
| 2021-05-17 04:22:00 | Vibration N1 Turbine Frame             | 1.12 | 0.28 |                                            |
| 2021-05-17 04:22:00 | Vibration N2 #1 Bearing                | 0.12 | 0.13 |                                            |
| 2021-05-17 04:22:00 | Vibration N2 Turbine Frame             | 0.07 | 0.14 |                                            |
| 2021-05-16 14:49:00 | (1)                                    |      | 62.3 | 21                                         |
| 2021-05-16 14:49:00 | (1)                                    |      |      | 712                                        |
| 2021-05-16 14:49:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-16 14:49:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-16 14:49:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-16 14:49:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-16 14:49:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-16 14:49:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-16 14:49:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-16 14:49:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-16 14:49:00 | Air Speed Indicated                    |      |      | 278.4                                      |
| 2021-05-16 14:49:00 | Aircraft Gross Weight                  |      |      | 67585                                      |
| 2021-05-16 14:49:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-16 14:49:00 | Altitude                               |      |      | 32102                                      |
| 2021-05-16 14:49:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-16 14:49:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-16 14:49:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-16 14:49:00 | Core Speed                             | 94.2 | 94.2 |                                            |
| 2021-05-16 14:49:00 | Date GE Received                       |      |      | 05/16/2021                                 |
| 2021-05-16 14:49:00 | Date of Report                         |      |      | 05/16/2021                                 |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-16 14:49:00 | Departure Station                      |      |      | ZSP                                        |
| 2021-05-16 14:49:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-16 14:49:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-16 14:49:00 | EGT Exhaust Gas Temperature            | 667  | 664  |                                            |
| 2021-05-16 14:49:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-16 14:49:00 | Flight Counter                         |      |      | 737                                        |
| 2021-05-16 14:49:00 | Flight Number ACARS                    |      |      | 9712                                       |
| 2021-05-16 14:49:00 | Flight Number ACMS                     |      |      | 9712                                       |
| 2021-05-16 14:49:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-16 14:49:00 | Fuel Flow                              | 1304 | 1290 |                                            |
| 2021-05-16 14:49:00 | Ground Speed                           |      |      | 394.6                                      |
| 2021-05-16 14:49:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-16 14:49:00 | Leg                                    |      |      | 1                                          |
| 2021-05-16 14:49:00 | Mach Number                            |      |      | 0.77                                       |
| 2021-05-16 14:49:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-16 14:49:00 | N1 Indicated Fan Speed                 | 88.2 | 88.2 |                                            |
| 2021-05-16 14:49:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-05-16 14:49:00 | Oil Temperature                        | 107  | 106  |                                            |
| 2021-05-16 14:49:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-16 14:49:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-16 14:49:00 | Temperature Static Air                 |      |      | -34                                        |
| 2021-05-16 14:49:00 | Throttle Lever Angle                   | 62.3 | 62.3 |                                            |
| 2021-05-16 14:49:00 | Time GE Received                       |      |      | 17:07:31                                   |
| 2021-05-16 14:49:00 | Time Of Report                         |      |      | 14:49:00                                   |
| 2021-05-16 14:49:00 | Total Air Temperature Aircraft         |      |      | -5.8                                       |
| 2021-05-16 14:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 14:49:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 14:49:00 | Vibration N1 #1 Bearing                | 0.41 | 0.25 |                                            |
| 2021-05-16 14:49:00 | Vibration N1 Phase Angle #1 Bearing    | 39   | 93   |                                            |
| 2021-05-16 14:49:00 | Vibration N1 Phase Angle Turbine Frame | 43   | 113  |                                            |
| 2021-05-16 14:49:00 | Vibration N1 Turbine Frame             | 0.6  | 0.41 |                                            |
| 2021-05-16 14:49:00 | Vibration N2 #1 Bearing                | 0.03 | 0.13 |                                            |
| 2021-05-16 14:49:00 | Vibration N2 Turbine Frame             | 0.05 | 0.09 |                                            |
| 2021-05-16 10:47:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-05-16 10:47:00 | (1)                                    |      |      | 711                                        |
| 2021-05-16 10:47:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-16 10:47:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-16 10:47:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-16 10:47:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-16 10:47:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-16 10:47:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-16 10:47:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-16 10:47:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-16 10:47:00 | Air Speed Indicated                    |      |      | 259.9                                      |
| 2021-05-16 10:47:00 | Aircraft Gross Weight                  |      |      | 68238                                      |
| 2021-05-16 10:47:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-16 10:47:00 | Altitude                               |      |      | 35104                                      |
| 2021-05-16 10:47:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-16 10:47:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-16 10:47:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-16 10:47:00 | Core Speed                             | 94   | 93.8 |                                            |
| 2021-05-16 10:47:00 | Date GE Received                       |      |      | 05/16/2021                                 |
| 2021-05-16 10:47:00 | Date of Report                         |      |      | 05/16/2021                                 |
| 2021-05-16 10:47:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-16 10:47:00 | Destination Station                    |      |      | ZSP                                        |
| 2021-05-16 10:47:00 | Downlink Ground Station                |      |      | PVG                                        |
| 2021-05-16 10:47:00 | EGT Exhaust Gas Temperature            | 675  | 683  |                                            |
| 2021-05-16 10:47:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-16 10:47:00 | Flight Counter                         |      |      | 1210                                       |
| 2021-05-16 10:47:00 | Flight Number ACARS                    |      |      | 9711                                       |
| 2021-05-16 10:47:00 | Flight Number ACMS                     |      |      | 9711                                       |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-16 10:47:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-16 10:47:00 | Fuel Flow                              | 1235 | 1231 |                                            |
| 2021-05-16 10:47:00 | Ground Speed                           |      |      | 505                                        |
| 2021-05-16 10:47:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-16 10:47:00 | Leg                                    |      |      | 1                                          |
| 2021-05-16 10:47:00 | Mach Number                            |      |      | 0.77                                       |
| 2021-05-16 10:47:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-16 10:47:00 | N1 Indicated Fan Speed                 | 89.4 | 89.4 |                                            |
| 2021-05-16 10:47:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-16 10:47:00 | Oil Temperature                        | 113  | 111  |                                            |
| 2021-05-16 10:47:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-16 10:47:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-16 10:47:00 | Temperature Static Air                 |      |      | -40.5                                      |
| 2021-05-16 10:47:00 | Throttle Lever Angle                   | 62.9 | 62.9 |                                            |
| 2021-05-16 10:47:00 | Time GE Received                       |      |      | 12:27:47                                   |
| 2021-05-16 10:47:00 | Time Of Report                         |      |      | 10:47:00                                   |
| 2021-05-16 10:47:00 | Total Air Temperature Aircraft         |      |      | -12.7                                      |
| 2021-05-16 10:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 10:47:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 10:47:00 | Vibration N1 #1 Bearing                | 0.5  | 0.15 |                                            |
| 2021-05-16 10:47:00 | Vibration N1 Phase Angle #1 Bearing    | 40   | 92   |                                            |
| 2021-05-16 10:47:00 | Vibration N1 Phase Angle Turbine Frame | 40   | 110  |                                            |
| 2021-05-16 10:47:00 | Vibration N1 Turbine Frame             | 0.59 | 0.4  |                                            |
| 2021-05-16 10:47:00 | Vibration N2 #1 Bearing                | 0.02 | 0.14 |                                            |
| 2021-05-16 10:47:00 | Vibration N2 Turbine Frame             | 0.04 | 0.09 |                                            |
| 2021-05-16 07:13:00 | (1)                                    |      | 61.6 | 21                                         |
| 2021-05-16 07:13:00 | (1)                                    |      |      | 880                                        |
| 2021-05-16 07:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-16 07:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-16 07:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-16 07:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-16 07:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-16 07:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-16 07:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-16 07:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-16 07:13:00 | Air Speed Indicated                    |      |      | 282.6                                      |
| 2021-05-16 07:13:00 | Aircraft Gross Weight                  |      |      | 64101                                      |
| 2021-05-16 07:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-16 07:13:00 | Altitude                               |      |      | 30099                                      |
| 2021-05-16 07:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-16 07:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-16 07:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-16 07:13:00 | Core Speed                             | 94.1 | 94.1 |                                            |
| 2021-05-16 07:13:00 | Date GE Received                       |      |      | 05/16/2021                                 |
| 2021-05-16 07:13:00 | Date of Report                         |      |      | 05/16/2021                                 |
| 2021-05-16 07:13:00 | Departure Station                      |      |      | ZSW                                        |
| 2021-05-16 07:13:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-16 07:13:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-16 07:13:00 | EGT Exhaust Gas Temperature            | 657  | 655  |                                            |
| 2021-05-16 07:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-16 07:13:00 | Flight Counter                         |      |      | 3818                                       |
| 2021-05-16 07:13:00 | Flight Number ACARS                    |      |      | 5880                                       |
| 2021-05-16 07:13:00 | Flight Number ACMS                     |      |      | 5880                                       |
| 2021-05-16 07:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-16 07:13:00 | Fuel Flow                              | 1276 | 1263 |                                            |
| 2021-05-16 07:13:00 | Ground Speed                           |      |      | 398.6                                      |
| 2021-05-16 07:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-16 07:13:00 | Leg                                    |      |      | 1                                          |
| 2021-05-16 07:13:00 | Mach Number                            |      |      | 0.75                                       |
| 2021-05-16 07:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-16 07:13:00 | N1 Indicated Fan Speed                 | 86.3 | 86.3 |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-16 07:13:00 | Oil Pressure                           | 45   | 48   |                                            |
| 2021-05-16 07:13:00 | Oil Temperature                        | 110  | 109  |                                            |
| 2021-05-16 07:13:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-16 07:13:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-16 07:13:00 | Temperature Static Air                 |      |      | -27.5                                      |
| 2021-05-16 07:13:00 | Throttle Lever Angle                   | 61.5 | 61.6 |                                            |
| 2021-05-16 07:13:00 | Time GE Received                       |      |      | 08:16:32                                   |
| 2021-05-16 07:13:00 | Time Of Report                         |      |      | 07:13:00                                   |
| 2021-05-16 07:13:00 | Total Air Temperature Aircraft         |      |      | 0.3                                        |
| 2021-05-16 07:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 07:13:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 07:13:00 | Vibration N1 #1 Bearing                | 0.33 | 0.19 |                                            |
| 2021-05-16 07:13:00 | Vibration N1 Phase Angle #1 Bearing    | 357  | 128  |                                            |
| 2021-05-16 07:13:00 | Vibration N1 Phase Angle Turbine Frame | 19   | 125  |                                            |
| 2021-05-16 07:13:00 | Vibration N1 Turbine Frame             | 0.57 | 0.32 |                                            |
| 2021-05-16 07:13:00 | Vibration N2 #1 Bearing                | 0.06 | 0.2  |                                            |
| 2021-05-16 07:13:00 | Vibration N2 Turbine Frame             | 0.07 | 0.1  |                                            |
| 2021-05-16 01:09:00 | (1)                                    |      | 62.9 | 21                                         |
| 2021-05-16 01:09:00 | (1)                                    |      |      | 879                                        |
| 2021-05-16 01:09:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-16 01:09:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-16 01:09:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-16 01:09:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-16 01:09:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-16 01:09:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-16 01:09:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-16 01:09:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-16 01:09:00 | Air Speed Indicated                    |      |      | 280.8                                      |
| 2021-05-16 01:09:00 | Aircraft Gross Weight                  |      |      | 68184                                      |
| 2021-05-16 01:09:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-16 01:09:00 | Altitude                               |      |      | 31107                                      |
| 2021-05-16 01:09:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-16 01:09:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-16 01:09:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-16 01:09:00 | Core Speed                             | 94.8 | 94.8 |                                            |
| 2021-05-16 01:09:00 | Date GE Received                       |      |      | 05/16/2021                                 |
| 2021-05-16 01:09:00 | Date of Report                         |      |      | 05/16/2021                                 |
| 2021-05-16 01:09:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-16 01:09:00 | Destination Station                    |      |      | ZSW                                        |
| 2021-05-16 01:09:00 | Downlink Ground Station                |      |      | WNZ                                        |
| 2021-05-16 01:09:00 | EGT Exhaust Gas Temperature            | 674  | 674  |                                            |
| 2021-05-16 01:09:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-16 01:09:00 | Flight Counter                         |      |      | 2459                                       |
| 2021-05-16 01:09:00 | Flight Number ACARS                    |      |      | 5879                                       |
| 2021-05-16 01:09:00 | Flight Number ACMS                     |      |      | 5879                                       |
| 2021-05-16 01:09:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-16 01:09:00 | Fuel Flow                              | 1343 | 1337 |                                            |
| 2021-05-16 01:09:00 | Ground Speed                           |      |      | 507.5                                      |
| 2021-05-16 01:09:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-16 01:09:00 | Leg                                    |      |      | 1                                          |
| 2021-05-16 01:09:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-05-16 01:09:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-16 01:09:00 | N1 Indicated Fan Speed                 | 88.4 | 88.5 |                                            |
| 2021-05-16 01:09:00 | Oil Pressure                           | 47   | 48   |                                            |
| 2021-05-16 01:09:00 | Oil Temperature                        | 108  | 107  |                                            |
| 2021-05-16 01:09:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-16 01:09:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-16 01:09:00 | Temperature Static Air                 |      |      | -30                                        |
| 2021-05-16 01:09:00 | Throttle Lever Angle                   | 62.9 | 62.9 |                                            |
| 2021-05-16 01:09:00 | Time GE Received                       |      |      | 02:58:17                                   |
| 2021-05-16 01:09:00 | Time Of Report                         |      |      | 01:09:00                                   |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-16 01:09:00 | Total Air Temperature Aircraft         |      |      | -2                                         |
| 2021-05-16 01:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 01:09:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-16 01:09:00 | Vibration N1 #1 Bearing                | 0.4  | 0.25 |                                            |
| 2021-05-16 01:09:00 | Vibration N1 Phase Angle #1 Bearing    | 41   | 108  |                                            |
| 2021-05-16 01:09:00 | Vibration N1 Phase Angle Turbine Frame | 36   | 126  |                                            |
| 2021-05-16 01:09:00 | Vibration N1 Turbine Frame             | 0.58 | 0.4  |                                            |
| 2021-05-16 01:09:00 | Vibration N2 #1 Bearing                | 0.07 | 0.23 |                                            |
| 2021-05-16 01:09:00 | Vibration N2 Turbine Frame             | 0.06 | 0.09 |                                            |
| 2021-05-15 11:27:00 | (1)                                    |      | 60.4 | 21                                         |
| 2021-05-15 11:27:00 | (1)                                    |      |      | 718                                        |
| 2021-05-15 11:27:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-15 11:27:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-15 11:27:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-15 11:27:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-15 11:27:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-15 11:27:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-15 11:27:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-15 11:27:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-15 11:27:00 | Air Speed Indicated                    |      |      | 292.2                                      |
| 2021-05-15 11:27:00 | Aircraft Gross Weight                  |      |      | 64210                                      |
| 2021-05-15 11:27:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-15 11:27:00 | Altitude                               |      |      | 27598                                      |
| 2021-05-15 11:27:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-15 11:27:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-15 11:27:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-15 11:27:00 | Core Speed                             | 93.5 | 93.5 |                                            |
| 2021-05-15 11:27:00 | Date GE Received                       |      |      | 05/15/2021                                 |
| 2021-05-15 11:27:00 | Date of Report                         |      |      | 05/15/2021                                 |
| 2021-05-15 11:27:00 | Departure Station                      |      |      | ZBA                                        |
| 2021-05-15 11:27:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-15 11:27:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-15 11:27:00 | EGT Exhaust Gas Temperature            | 631  | 633  |                                            |
| 2021-05-15 11:27:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-15 11:27:00 | Flight Counter                         |      |      | 3845                                       |
| 2021-05-15 11:27:00 | Flight Number ACARS                    |      |      | 5718                                       |
| 2021-05-15 11:27:00 | Flight Number ACMS                     |      |      | 5718                                       |
| 2021-05-15 11:27:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-15 11:27:00 | Fuel Flow                              | 1325 | 1311 |                                            |
| 2021-05-15 11:27:00 | Ground Speed                           |      |      | 431.5                                      |
| 2021-05-15 11:27:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-15 11:27:00 | Leg                                    |      |      | 1                                          |
| 2021-05-15 11:27:00 | Mach Number                            |      |      | 0.736                                      |
| 2021-05-15 11:27:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-15 11:27:00 | N1 Indicated Fan Speed                 | 84.9 | 84.9 |                                            |
| 2021-05-15 11:27:00 | Oil Pressure                           | 47   | 50   |                                            |
| 2021-05-15 11:27:00 | Oil Temperature                        | 104  | 103  |                                            |
| 2021-05-15 11:27:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-15 11:27:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-15 11:27:00 | Temperature Static Air                 |      |      | -27.7                                      |
| 2021-05-15 11:27:00 | Throttle Lever Angle                   | 60.4 | 60.4 |                                            |
| 2021-05-15 11:27:00 | Time GE Received                       |      |      | 13:54:04                                   |
| 2021-05-15 11:27:00 | Time Of Report                         |      |      | 11:27:00                                   |
| 2021-05-15 11:27:00 | Total Air Temperature Aircraft         |      |      | -1.3                                       |
| 2021-05-15 11:27:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-15 11:27:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-15 11:27:00 | Vibration N1 #1 Bearing                | 0.26 | 0.2  |                                            |
| 2021-05-15 11:27:00 | Vibration N1 Phase Angle #1 Bearing    | 359  | 124  |                                            |
| 2021-05-15 11:27:00 | Vibration N1 Phase Angle Turbine Frame | 10   | 125  |                                            |
| 2021-05-15 11:27:00 | Vibration N1 Turbine Frame             | 0.5  | 0.36 |                                            |
| 2021-05-15 11:27:00 | Vibration N2 #1 Bearing                | 0.04 | 0.1  |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-15 11:27:00 | Vibration N2 Turbine Frame             | 0.06 | 0.11 |                                            |
| 2021-05-15 06:16:00 | (1)                                    |      | 63   | 21                                         |
| 2021-05-15 06:16:00 | (1)                                    |      |      | 717                                        |
| 2021-05-15 06:16:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-15 06:16:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-15 06:16:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-15 06:16:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-15 06:16:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-15 06:16:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-15 06:16:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-15 06:16:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-15 06:16:00 | Air Speed Indicated                    |      |      | 256.9                                      |
| 2021-05-15 06:16:00 | Aircraft Gross Weight                  |      |      | 65262                                      |
| 2021-05-15 06:16:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-15 06:16:00 | Altitude                               |      |      | 35101                                      |
| 2021-05-15 06:16:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-15 06:16:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-15 06:16:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-15 06:16:00 | Core Speed                             | 94   | 93.7 |                                            |
| 2021-05-15 06:16:00 | Date GE Received                       |      |      | 05/15/2021                                 |
| 2021-05-15 06:16:00 | Date of Report                         |      |      | 05/15/2021                                 |
| 2021-05-15 06:16:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-15 06:16:00 | Destination Station                    |      |      | ZBA                                        |
| 2021-05-15 06:16:00 | Downlink Ground Station                |      |      | SJW                                        |
| 2021-05-15 06:16:00 | EGT Exhaust Gas Temperature            | 676  | 689  |                                            |
| 2021-05-15 06:16:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-15 06:16:00 | Flight Counter                         |      |      | 3281                                       |
| 2021-05-15 06:16:00 | Flight Number ACARS                    |      |      | 5717                                       |
| 2021-05-15 06:16:00 | Flight Number ACMS                     |      |      | 5717                                       |
| 2021-05-15 06:16:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-15 06:16:00 | Fuel Flow                              | 1226 | 1217 |                                            |
| 2021-05-15 06:16:00 | Ground Speed                           |      |      | 451.6                                      |
| 2021-05-15 06:16:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-15 06:16:00 | Leg                                    |      |      | 1                                          |
| 2021-05-15 06:16:00 | Mach Number                            |      |      | 0.762                                      |
| 2021-05-15 06:16:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-15 06:16:00 | N1 Indicated Fan Speed                 | 89.4 | 89.3 |                                            |
| 2021-05-15 06:16:00 | Oil Pressure                           | 45   | 46   |                                            |
| 2021-05-15 06:16:00 | Oil Temperature                        | 111  | 110  |                                            |
| 2021-05-15 06:16:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-15 06:16:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-15 06:16:00 | Temperature Static Air                 |      |      | -39.2                                      |
| 2021-05-15 06:16:00 | Throttle Lever Angle                   | 63   | 63   |                                            |
| 2021-05-15 06:16:00 | Time GE Received                       |      |      | 08:01:32                                   |
| 2021-05-15 06:16:00 | Time Of Report                         |      |      | 06:16:00                                   |
| 2021-05-15 06:16:00 | Total Air Temperature Aircraft         |      |      | -12.3                                      |
| 2021-05-15 06:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-15 06:16:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-15 06:16:00 | Vibration N1 #1 Bearing                | 0.23 | 0.11 |                                            |
| 2021-05-15 06:16:00 | Vibration N1 Phase Angle #1 Bearing    | 44   | 89   |                                            |
| 2021-05-15 06:16:00 | Vibration N1 Phase Angle Turbine Frame | 44   | 114  |                                            |
| 2021-05-15 06:16:00 | Vibration N1 Turbine Frame             | 0.81 | 0.31 |                                            |
| 2021-05-15 06:16:00 | Vibration N2 #1 Bearing                | 0.07 | 0.15 |                                            |
| 2021-05-15 06:16:00 | Vibration N2 Turbine Frame             | 0.09 | 0.11 |                                            |
| 2021-05-14 15:41:00 | (1)                                    |      | 61.8 | 21                                         |
| 2021-05-14 15:41:00 | (1)                                    |      |      | 738                                        |
| 2021-05-14 15:41:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-14 15:41:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-14 15:41:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-14 15:41:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-14 15:41:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |



|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-14 15:41:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-14 15:41:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-14 15:41:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-14 15:41:00 | Air Speed Indicated                    |      |      | 273.4                                      |
| 2021-05-14 15:41:00 | Aircraft Gross Weight                  |      |      | 64228                                      |
| 2021-05-14 15:41:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-14 15:41:00 | Altitude                               |      |      | 32098                                      |
| 2021-05-14 15:41:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-14 15:41:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-14 15:41:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-14 15:41:00 | Core Speed                             | 93.9 | 93.9 |                                            |
| 2021-05-14 15:41:00 | Date GE Received                       |      |      | 05/14/2021                                 |
| 2021-05-14 15:41:00 | Date of Report                         |      |      | 05/14/2021                                 |
| 2021-05-14 15:41:00 | Departure Station                      |      |      | ZGG                                        |
| 2021-05-14 15:41:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-14 15:41:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-14 15:41:00 | EGT Exhaust Gas Temperature            | 656  | 655  |                                            |
| 2021-05-14 15:41:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-14 15:41:00 | Flight Counter                         |      |      | 909                                        |
| 2021-05-14 15:41:00 | Flight Number ACARS                    |      |      | 5738                                       |
| 2021-05-14 15:41:00 | Flight Number ACMS                     |      |      | 5738                                       |
| 2021-05-14 15:41:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-14 15:41:00 | Fuel Flow                              | 1260 | 1246 |                                            |
| 2021-05-14 15:41:00 | Ground Speed                           |      |      | 441.5                                      |
| 2021-05-14 15:41:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-14 15:41:00 | Leg                                    |      |      | 1                                          |
| 2021-05-14 15:41:00 | Mach Number                            |      |      | 0.757                                      |
| 2021-05-14 15:41:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-14 15:41:00 | N1 Indicated Fan Speed                 | 87.4 | 87.4 |                                            |
| 2021-05-14 15:41:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-14 15:41:00 | Oil Temperature                        | 114  | 113  |                                            |
| 2021-05-14 15:41:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-14 15:41:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-14 15:41:00 | Temperature Static Air                 |      |      | -33.8                                      |
| 2021-05-14 15:41:00 | Throttle Lever Angle                   | 61.8 | 61.8 |                                            |
| 2021-05-14 15:41:00 | Time GE Received                       |      |      | 16:56:37                                   |
| 2021-05-14 15:41:00 | Time Of Report                         |      |      | 15:41:00                                   |
| 2021-05-14 15:41:00 | Total Air Temperature Aircraft         |      |      | -6.3                                       |
| 2021-05-14 15:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 15:41:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 15:41:00 | Vibration N1 #1 Bearing                | 0.37 | 0.21 |                                            |
| 2021-05-14 15:41:00 | Vibration N1 Phase Angle #1 Bearing    | 24   | 100  |                                            |
| 2021-05-14 15:41:00 | Vibration N1 Phase Angle Turbine Frame | 38   | 108  |                                            |
| 2021-05-14 15:41:00 | Vibration N1 Turbine Frame             | 0.55 | 0.43 |                                            |
| 2021-05-14 15:41:00 | Vibration N2 #1 Bearing                | 0.04 | 0.13 |                                            |
| 2021-05-14 15:41:00 | Vibration N2 Turbine Frame             | 0.03 | 0.09 |                                            |
| 2021-05-14 12:45:00 | (1)                                    |      | 61.5 | 21                                         |
| 2021-05-14 12:45:00 | (1)                                    |      |      | 737                                        |
| 2021-05-14 12:45:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-14 12:45:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-14 12:45:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-14 12:45:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-14 12:45:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-14 12:45:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-14 12:45:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-14 12:45:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-14 12:45:00 | Air Speed Indicated                    |      |      | 268.6                                      |
| 2021-05-14 12:45:00 | Aircraft Gross Weight                  |      |      | 63375                                      |
| 2021-05-14 12:45:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-14 12:45:00 | Altitude                               |      |      | 33115                                      |
| 2021-05-14 12:45:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-14 12:45:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-14 12:45:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-14 12:45:00 | Core Speed                             | 93.6 | 93.4 |                                            |
| 2021-05-14 12:45:00 | Date GE Received                       |      |      | 05/14/2021                                 |
| 2021-05-14 12:45:00 | Date of Report                         |      |      | 05/14/2021                                 |
| 2021-05-14 12:45:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-14 12:45:00 | Destination Station                    |      |      | ZGG                                        |
| 2021-05-14 12:45:00 | Downlink Ground Station                |      |      | CAN                                        |
| 2021-05-14 12:45:00 | EGT Exhaust Gas Temperature            | 656  | 662  |                                            |
| 2021-05-14 12:45:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-14 12:45:00 | Flight Counter                         |      |      | 2364                                       |
| 2021-05-14 12:45:00 | Flight Number ACARS                    |      |      | 5737                                       |
| 2021-05-14 12:45:00 | Flight Number ACMS                     |      |      | 5737                                       |
| 2021-05-14 12:45:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-14 12:45:00 | Fuel Flow                              | 1205 | 1206 |                                            |
| 2021-05-14 12:45:00 | Ground Speed                           |      |      | 505.3                                      |
| 2021-05-14 12:45:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-14 12:45:00 | Leg                                    |      |      | 1                                          |
| 2021-05-14 12:45:00 | Mach Number                            |      |      | 0.761                                      |
| 2021-05-14 12:45:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-14 12:45:00 | N1 Indicated Fan Speed                 | 87.2 | 87.2 |                                            |
| 2021-05-14 12:45:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-14 12:45:00 | Oil Temperature                        | 113  | 111  |                                            |
| 2021-05-14 12:45:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-14 12:45:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-14 12:45:00 | Temperature Static Air                 |      |      | -35.5                                      |
| 2021-05-14 12:45:00 | Throttle Lever Angle                   | 61.5 | 61.5 |                                            |
| 2021-05-14 12:45:00 | Time GE Received                       |      |      | 13:20:32                                   |
| 2021-05-14 12:45:00 | Time Of Report                         |      |      | 12:45:00                                   |
| 2021-05-14 12:45:00 | Total Air Temperature Aircraft         |      |      | -8                                         |
| 2021-05-14 12:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 12:45:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 12:45:00 | Vibration N1 #1 Bearing                | 0.24 | 0.12 |                                            |
| 2021-05-14 12:45:00 | Vibration N1 Phase Angle #1 Bearing    | 18   | 114  |                                            |
| 2021-05-14 12:45:00 | Vibration N1 Phase Angle Turbine Frame | 17   | 119  |                                            |
| 2021-05-14 12:45:00 | Vibration N1 Turbine Frame             | 0.55 | 0.35 |                                            |
| 2021-05-14 12:45:00 | Vibration N2 #1 Bearing                | 0.03 | 0.15 |                                            |
| 2021-05-14 12:45:00 | Vibration N2 Turbine Frame             | 0.05 | 0.15 |                                            |
| 2021-05-14 04:43:00 | (1)                                    |      | 60.4 | 21                                         |
| 2021-05-14 04:43:00 | (1)                                    |      |      | 766                                        |
| 2021-05-14 04:43:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-14 04:43:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-14 04:43:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-14 04:43:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-14 04:43:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-14 04:43:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-14 04:43:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-14 04:43:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-14 04:43:00 | Air Speed Indicated                    |      |      | 303.1                                      |
| 2021-05-14 04:43:00 | Aircraft Gross Weight                  |      |      | 62414                                      |
| 2021-05-14 04:43:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-14 04:43:00 | Altitude                               |      |      | 23602                                      |
| 2021-05-14 04:43:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-14 04:43:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-14 04:43:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-14 04:43:00 | Core Speed                             | 93.9 | 93.8 |                                            |
| 2021-05-14 04:43:00 | Date GE Received                       |      |      | 05/14/2021                                 |
| 2021-05-14 04:43:00 | Date of Report                         |      |      | 05/14/2021                                 |
| 2021-05-14 04:43:00 | Departure Station                      |      |      | ZBY                                        |
| 2021-05-14 04:43:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-14 04:43:00 | Downlink Ground Station                |      |      | KMG                                        |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-14 04:43:00 | EGT Exhaust Gas Temperature            | 635  | 635  |                                            |
| 2021-05-14 04:43:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-14 04:43:00 | Flight Counter                         |      |      | 1094                                       |
| 2021-05-14 04:43:00 | Flight Number ACARS                    |      |      | 5766                                       |
| 2021-05-14 04:43:00 | Flight Number ACMS                     |      |      | 5766                                       |
| 2021-05-14 04:43:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-14 04:43:00 | Fuel Flow                              | 1417 | 1395 |                                            |
| 2021-05-14 04:43:00 | Ground Speed                           |      |      | 426.6                                      |
| 2021-05-14 04:43:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-14 04:43:00 | Leg                                    |      |      | 1                                          |
| 2021-05-14 04:43:00 | Mach Number                            |      |      | 0.704                                      |
| 2021-05-14 04:43:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-14 04:43:00 | N1 Indicated Fan Speed                 | 83.5 | 83.5 |                                            |
| 2021-05-14 04:43:00 | Oil Pressure                           | 48   | 51   |                                            |
| 2021-05-14 04:43:00 | Oil Temperature                        | 108  | 108  |                                            |
| 2021-05-14 04:43:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-14 04:43:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-14 04:43:00 | Temperature Static Air                 |      |      | -15.2                                      |
| 2021-05-14 04:43:00 | Throttle Lever Angle                   | 60.4 | 60.4 |                                            |
| 2021-05-14 04:43:00 | Time GE Received                       |      |      | 06:11:58                                   |
| 2021-05-14 04:43:00 | Time Of Report                         |      |      | 04:43:00                                   |
| 2021-05-14 04:43:00 | Total Air Temperature Aircraft         |      |      | 10.2                                       |
| 2021-05-14 04:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 04:43:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 04:43:00 | Vibration N1 #1 Bearing                | 0.22 | 0.2  |                                            |
| 2021-05-14 04:43:00 | Vibration N1 Phase Angle #1 Bearing    | 18   | 96   |                                            |
| 2021-05-14 04:43:00 | Vibration N1 Phase Angle Turbine Frame | 29   | 106  |                                            |
| 2021-05-14 04:43:00 | Vibration N1 Turbine Frame             | 0.45 | 0.32 |                                            |
| 2021-05-14 04:43:00 | Vibration N2 #1 Bearing                | 0.02 | 0.16 |                                            |
| 2021-05-14 04:43:00 | Vibration N2 Turbine Frame             | 0.03 | 0.1  |                                            |
| 2021-05-14 01:37:00 | (1)                                    |      | 58.5 | 21                                         |
| 2021-05-14 01:37:00 | (1)                                    |      |      | 765                                        |
| 2021-05-14 01:37:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-14 01:37:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-14 01:37:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-14 01:37:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-14 01:37:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-14 01:37:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-14 01:37:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-14 01:37:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-14 01:37:00 | Air Speed Indicated                    |      |      | 278.3                                      |
| 2021-05-14 01:37:00 | Aircraft Gross Weight                  |      |      | 58059                                      |
| 2021-05-14 01:37:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-14 01:37:00 | Altitude                               |      |      | 26596                                      |
| 2021-05-14 01:37:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-14 01:37:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-14 01:37:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-14 01:37:00 | Core Speed                             | 92.3 | 92.3 |                                            |
| 2021-05-14 01:37:00 | Date GE Received                       |      |      | 05/14/2021                                 |
| 2021-05-14 01:37:00 | Date of Report                         |      |      | 05/14/2021                                 |
| 2021-05-14 01:37:00 | Departure Station                      |      |      | ZPP                                        |
| 2021-05-14 01:37:00 | Destination Station                    |      |      | ZBY                                        |
| 2021-05-14 01:37:00 | Downlink Ground Station                |      |      | LYA                                        |
| 2021-05-14 01:37:00 | EGT Exhaust Gas Temperature            | 611  | 611  |                                            |
| 2021-05-14 01:37:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-14 01:37:00 | Flight Counter                         |      |      | 2403                                       |
| 2021-05-14 01:37:00 | Flight Number ACARS                    |      |      | 5765                                       |
| 2021-05-14 01:37:00 | Flight Number ACMS                     |      |      | 5765                                       |
| 2021-05-14 01:37:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-14 01:37:00 | Fuel Flow                              | 1207 | 1195 |                                            |
| 2021-05-14 01:37:00 | Ground Speed                           |      |      | 454.9                                      |

|                     |                                        |      |      |                                            |
|---------------------|----------------------------------------|------|------|--------------------------------------------|
| 2021-05-14 01:37:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-14 01:37:00 | Leg                                    |      |      | 1                                          |
| 2021-05-14 01:37:00 | Mach Number                            |      |      | 0.69                                       |
| 2021-05-14 01:37:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-14 01:37:00 | N1 Indicated Fan Speed                 | 81.8 | 81.8 |                                            |
| 2021-05-14 01:37:00 | Oil Pressure                           | 48   | 51   |                                            |
| 2021-05-14 01:37:00 | Oil Temperature                        | 98   | 97   |                                            |
| 2021-05-14 01:37:00 | Report Number ACMS                     |      |      | CRZ                                        |
| 2021-05-14 01:37:00 | Software ID ACMS                       |      |      | A85 28                                     |
| 2021-05-14 01:37:00 | Temperature Static Air                 |      |      | -24                                        |
| 2021-05-14 01:37:00 | Throttle Lever Angle                   | 58.5 | 58.5 |                                            |
| 2021-05-14 01:37:00 | Time GE Received                       |      |      | 02:19:42                                   |
| 2021-05-14 01:37:00 | Time Of Report                         |      |      | 01:37:00                                   |
| 2021-05-14 01:37:00 | Total Air Temperature Aircraft         |      |      | -0.3                                       |
| 2021-05-14 01:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 01:37:00 | Unknown parameter/formatting character |      |      | 0                                          |
| 2021-05-14 01:37:00 | Vibration N1 #1 Bearing                | 0.16 | 0.13 |                                            |
| 2021-05-14 01:37:00 | Vibration N1 Phase Angle #1 Bearing    | 7    | 84   |                                            |
| 2021-05-14 01:37:00 | Vibration N1 Phase Angle Turbine Frame | 5    | 79   |                                            |
| 2021-05-14 01:37:00 | Vibration N1 Turbine Frame             | 0.27 | 0.23 |                                            |
| 2021-05-14 01:37:00 | Vibration N2 #1 Bearing                | 0.01 | 0.09 |                                            |
| 2021-05-14 01:37:00 | Vibration N2 Turbine Frame             | 0.02 | 0.11 |                                            |
| 2021-05-13 14:13:00 | (1)                                    |      | 60.4 | 21                                         |
| 2021-05-13 14:13:00 | (1)                                    |      |      | 264                                        |
| 2021-05-13 14:13:00 | A/I Valve Position Nacelle             | 0    | 0    |                                            |
| 2021-05-13 14:13:00 | A/I valve position Wing                |      |      | 0                                          |
| 2021-05-13 14:13:00 | Air Conditioning Pack 1                |      |      | 1                                          |
| 2021-05-13 14:13:00 | Air Conditioning Pack 1 Level          |      |      | 1                                          |
| 2021-05-13 14:13:00 | Air Conditioning Pack 1 On             |      |      | 1                                          |
| 2021-05-13 14:13:00 | Air Conditioning Pack 2                |      |      | 1                                          |
| 2021-05-13 14:13:00 | Air Conditioning Pack 2 Level          |      |      | 1                                          |
| 2021-05-13 14:13:00 | Air Conditioning Pack 2 On             |      |      | 1                                          |
| 2021-05-13 14:13:00 | Air Speed Indicated                    |      |      | 261.7                                      |
| 2021-05-13 14:13:00 | Aircraft Gross Weight                  |      |      | 61615                                      |
| 2021-05-13 14:13:00 | Aircraft Incoming Tail Number          |      |      | B-1791                                     |
| 2021-05-13 14:13:00 | Altitude                               |      |      | 34104                                      |
| 2021-05-13 14:13:00 | Bleed Engine PRV Valve                 | 1    | 1    |                                            |
| 2021-05-13 14:13:00 | Carrier Name                           |      |      | China Eastern Airlines Corporation Limited |
| 2021-05-13 14:13:00 | Carrier code (two character)           |      |      | MU                                         |
| 2021-05-13 14:13:00 | Core Speed                             | 92.1 | 91.8 |                                            |
| 2021-05-13 14:13:00 | Date GE Received                       |      |      | 05/13/2021                                 |
| 2021-05-13 14:13:00 | Date of Report                         |      |      | 05/13/2021                                 |
| 2021-05-13 14:13:00 | Departure Station                      |      |      | ZLX                                        |
| 2021-05-13 14:13:00 | Destination Station                    |      |      | ZPP                                        |
| 2021-05-13 14:13:00 | Downlink Ground Station                |      |      | KMG                                        |
| 2021-05-13 14:13:00 | EGT Exhaust Gas Temperature            | 624  | 632  |                                            |
| 2021-05-13 14:13:00 | Engine Serial Number                   | 0 0  | 0 0  |                                            |
| 2021-05-13 14:13:00 | Flight Counter                         |      |      | 346                                        |
| 2021-05-13 14:13:00 | Flight Number ACARS                    |      |      | 2264                                       |
| 2021-05-13 14:13:00 | Flight Number ACMS                     |      |      | 2264                                       |
| 2021-05-13 14:13:00 | Flight Phase ACMS                      |      |      | SCR2                                       |
| 2021-05-13 14:13:00 | Fuel Flow                              | 1133 | 1131 |                                            |
| 2021-05-13 14:13:00 | Ground Speed                           |      |      | 431.9                                      |
| 2021-05-13 14:13:00 | Isolation valve left                   |      |      | 0                                          |
| 2021-05-13 14:13:00 | Leg                                    |      |      | 2                                          |
| 2021-05-13 14:13:00 | Mach Number                            |      |      | 0.759                                      |
| 2021-05-13 14:13:00 | Message Type                           |      |      | CES B737NG CRZ                             |
| 2021-05-13 14:13:00 | N1 Indicated Fan Speed                 | 86   | 86   |                                            |
| 2021-05-13 14:13:00 | Oil Pressure                           | 44   | 46   |                                            |
| 2021-05-13 14:13:00 | Oil Temperature                        | 103  | 102  |                                            |
| 2021-05-13 14:13:00 | Report Number ACMS                     |      |      | CRZ                                        |